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Southern California Air Quality Study Tunable Diode Laser Absorption Spectrometer Measurements of H_2O_2 and H_2CO at the Claremont and Long Beach 'A' Sites

Unisearch Associates, Inc., Concord (Ontario)

Prepared for

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THE SOUTHERN CALIFORNIA AIR QUALITY STUDY: TUNABLE DIODE LASER ABSORPTION SPECTROMETER MEASUREMENTS OF H_2O_2 AND H_2CO AT THE CLAREMONT AND LONG BEACH "A" SITES

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During the summer and fall of 1987 the State of California Air Resources Board coordinated the Southern California Air Quality Study (SCAQS) in the greater Los Angeles area to address ozone, nitrogen dioxide and the role of nitrogen oxides, PM-10, fine particles, visibility, toxic air contaminants and atmospheric acidity.

Measurements discussed in ~~this~~ The report were made during the summer in Claremont and during the fall in Long Beach, which represented "A-site" receptor and source regions respectively. The tunable diode laser absorption spectrometer (TDLAS) system was employed for the real time measurements of gas-phase hydrogen peroxide and formaldehyde. The system obtained a data point for both species every minute. Results were subsequently reduced to 1-hour average values for comparison with measurements made by other methods. Detection limits for the hourly averages for H_2CO were below 0.1 parts per billion, while those for H_2O_2 were about 0.15 ppbv. Simultaneous measurements of H_2O_2 and H_2CO were made on 14 days including 8 of the 11 intensive days during the period of the summer study. H_2O_2 was measured on 44 additional days including the 3 other intensive days. During the fall study H_2O_2 and H_2CO were measured on 20 days including all 6 intensive days. Data coverage was better than 90%.
Results and discussions are presented in the report.

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EXECUTIVE SUMMARY

During the summer and fall of 1987 the State of California Air Resources Board coordinated the Southern California Air Quality Study (SCAQS) in the greater Los Angeles area. Measurements were made to address the following issues: ozone (O_3), nitrogen dioxide (NO_2) and the roles of nitrogen oxides (NO_x), PM-10, fine particles, visibility, toxic air contaminants, and atmospheric acidity.

The measurements discussed in this work were made during the summer in Claremont (Claremont College) and during the fall in Long Beach (Long Beach Community College). These two "A-sites", which represent receptor and source regions respectively, were selected as the base of operations for selected intensive measurements and special experiments. A-site instruments were operated primarily on intensive study days, although some, including this one, operated continuously. Intensive days (11 summer and 6 fall) were chosen based on a meteorology and air quality forecast for high to medium ozone and/or PM-10, subject to the logistical readiness of the investigators and equipment.

The tunable diode laser absorption spectrometer (TDLAS) system was employed for the real time measurements of gas-phase hydrogen peroxide (H_2O_2) and formaldehyde (H_2CO). The TDLAS offers a number of advantages for making these measurements. Its high spectral resolution provides an unequivocal identification of the measured gaseous species free from interferences of other atmospheric constituents. This specificity makes it an ideal instrument to use as a standard against which other, less definitive methods, can be compared. In addition it has high sensitivity and rapid response time so that it can provide real time measurements with detection limits much better than those required for ambient concentrations of the majority of trace constituents under most atmospheric conditions.

The measurement were made with the TAMS-150 which obtained a data point for both species every minute. The results were subsequently reduced to 1 hour average values for comparison with measurements made by other methods. Detection limits for the hourly averages for H_2CO were below 0.1 parts per billion (ppbv) while those for H_2O_2 were about 0.15 ppbv.

Simultaneous measurements of H_2O_2 and H_2CO were made on 14 days including 8 of the 11 intensive days during the period of the summer study. H_2O_2 was measured on 44 additional days including the 3 other intensive days. During the fall study H_2O_2 and H_2CO were measured on 20 days including all 6 intensive days. Data coverage was better than 90%.

The diurnal behavior of H_2CO was quite regular. The maximum concentrations occurred between 12:00 and 16:00 each day and daily maximum varied considerably. During the summer intensives H_2CO daytime 1 hour average maxima were between 15 and 20 ppbv with instantaneous values as high as 35 ppbv on occasion. H_2CO behavior on non-intensive days was similar but daytime maxima tended to by about 5 ppbv lower. For both intensive and non-intensive periods, nighttime minima occurred between 22:00 and 06:00 and were generally in the range 2 to 6 ppbv. H_2CO was always well above the detection limits during both summer and winter studies.

During the fall study at the Long Beach site there was little difference between the designated intensive days and the non-intensive periods with regard to H_2CO levels or diurnal behavior. Instantaneous values as high as 50 ppbv were measured on several occasions while 1 hour averaged peak values were in the range 10-30 ppbv. Nighttime lows were generally in the 5 to 10 ppbv range, consistently higher than at Claremont.

On many of the measurement days at both sites a double maximum in the H_2CO signal was observed. The first occurred during the morning, ~08:00-11:00, and the second peak occurred in the afternoon, 12:00-16:00. The results are similar to those recorded during the Carbonaceous Species Methods Comparison Study at Glendora, CA in 1986 (Lawson et. al. (1988)) where the morning peak was found to correlate well with directly injected pollutants such as NO_x and particulate black carbon concentrations and the afternoon peak was associated with arrival of photochemically produced ozone. Preliminary on site interchange of SCAQS results suggest similar conclusions.

The behavior of H_2O_2 was not as predictable. Daytime maxima occurred between 11:00 and 15:00 at both sites, however, on several occasions there was little variation in the measured H_2O_2 signal which remained low (<0.5 ppbv) throughout a 24 hour period. Daytime maxima at the Claremont site ranged between 0.4 ppbv and 1.2 ppbv and the H_2O_2 often dropped below the detection limit of 0.15 ppbv for at least part of the night. The highest H_2O_2 values obtained during the study were on June 27th when 1 hour average values as high as 1.3 ppbv and instantaneous values of 2.0 ppbv were obtained. The lowest values were on August 21st when the values were below 0.15 ppbv for the entire 24 hour period.

During the fall study, the H_2O_2 daytime values were generally lower than those measured during the summer. Maximum values were in the 0.3 to 0.5 ppbv range and nighttime lows were generally below the detection limit of 0.15 ppbv. On a number of occasions H_2O_2 did not significantly exceed the detection limit in a 24 hour period. An exception to this general behavior occurred on December 3rd and 4th when the one hour average daytime maxima were above 1 ppbv and instantaneous values in excess of 1.6 ppbv were recorded.

For both species, the data obtained on the 17 intensive days were not substantially different from those obtained during the non-intensive periods.

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1. INTRODUCTION

During summer and fall of 1987 the Southern California Air Quality Study (SCAQS) was carried out in the greater Los Angeles area under the auspices of the State of California Air Resources Board. Measurements were made to address the following issues: ozone (O_3), nitrogen dioxide (NO_2) and the roles of nitrogen oxides (NO_x), PM-10, fine particles, visibility, toxic air contaminants, and atmospheric acidity.

The measurements presented here were made during the summer in Claremont (Claremont College) and during the fall in Long Beach (Long Beach Community College). These two "A-sites", which represent receptor and source regions respectively, were selected as the base of operations for selected intensive measurements and special experiments. A-site instruments were operated primarily on intensive study days, although some, including this one, operated continuously. Intensive days (11 summer and 6 fall) were chosen based on a meteorology and air quality forecast for high to medium ozone and/or PM-10, subject to the logistical readiness of the investigators and equipment.

The information obtained during SCAQS is expected to provide a better understanding of the relationships among the sources, receptors, and effects of the pollutants in question. The measurements at the intensive sites such as Claremont and Long Beach should be adequate for the development and testing of descriptive and prognostic models. This in turn will assist the development and evaluation of control strategies designed to ameliorate southern California's air quality.

The tunable diode laser absorption spectrometer (TDLAS) system was employed for the real time measurements of gas-phase hydrogen peroxide (H_2O_2), formaldehyde (H_2CO) and nitric acid (HNO_3). These three species play important roles in the photochemistry of urban and rural air and their measurement is critical for any comprehensive test of current models for acid deposition and urban smog. The results of the HNO_3 measurements are the subject of a separate report (ARB agreement No. A732-041) and are not reproduced here.

Formaldehyde is directly emitted as part of the mix of reactive hydrocarbons generated by fossil fuel combustion. It is also a major intermediate product in the oxidation of all hydrocarbons. Its production should therefore be higher in urban than in rural atmospheres. The major loss process is photolysis which leads to formation of HO and HO_2 radicals which are considered to be the most important species in atmospheric chemistry (Logan 1980). H_2CO is also of interest in the oxidation of SO_2 in clouds because of its ability to form complexes in solution (Boyce and Hoffmann, 1984).

Recombination of HO_2 radicals is the principle source of hydrogen peroxide in the gas phase. Measurements of H_2O_2 can therefore provide information about the concentration of these chain carriers. Since the concentration of HO radicals is reduced in the presence of large amounts of NO_2 due to their rapid reaction to form HNO_3, the mixing ratios of H_2O_2 in urban atmospheres containing large NO_x to hydrocarbon ratios may be smaller than in rural areas, in contrast with the expected behavior for H_2CO. H_2O_2 is believed to be the most important oxidizer of S(IV) to S(VI) (in the aqueous phase) in the atmosphere and therefore plays an important part in acid deposition (Penkett 1979; Middleton 1980).

Tunable diode laser absorption spectroscopy (TDLAS) offers a number of advantages for making these measurements. Its high spectral resolution provides an unequivocal identification of the measured gaseous species free from interferences of other atmospheric constituents. This specificity makes it an ideal instrument to use as a standard against which other, less definitive methods, can be compared. In addition, its high sensitivity and rapid response provides real time measurements with detection limits much better than those required for the ambient concentrations of most trace constituents under most atmospheric conditions.

Unisearch Associates Inc. used the TAMS-150, its new, high sensitivity, tunable diode laser absorption spectrometer (TDLAS) designed for tropospheric air monitoring, to make simultaneous real time measurements of H_2O_2 and one of H_2CO and HNO_3 on each of the designated intensive days during the June-July summer study period. H_2O_2 and HNO_3 were also measured on non-intensive days. During the summer extension, August-September, and the fall study, November-December, H_2O_2 and H_2CO were monitored on all intensive and non-intensive days. The detection limits of the TAMS-150 system (0.1 ppbv for H_2CO and HNO_3 and 0.15 ppbv for H_2O_2) were adequate for following the diurnal behavior during the field study although on a few occasions during non-intensive periods the H_2O_2 mixing ratio did not significantly exceed the detection limit throughout a 24 hour period.

2. EXPERIMENTAL

2.1 Principle of the TDLAS System

The TDLAS method takes advantage of the high monochromaticity and rapid tunability of Pb salt diode lasers to measure absorptions from single rotational-vibrational lines in the mid-infrared spectrum of a molecule. In order to facilitate the measurement of very low optical densities ($<10^{-5}$) at line center and to reduce the chances of overlap between adjacent absorption lines, reduced pressures (~25 Torr) are used to minimize pressure broadening of the rotational lines. The atmospheric sample is pumped rapidly at the reduced pressure through a White cell which also provides the long optical path lengths (153 m) required to achieve the desired detection limits.

The technique of measuring NO, NO_2 and HNO_3 by TDLAS has been described in detail by (Hastie 1983) and a full description of the TAMS-150 field instrument may be found in the Unisearch Final Report to the State of California Air Resources Board contract number A5-189-32, September 1987 and in a paper by Mackay et al. (1987). A brief description of the system is provided below.

A schematic of the optical system and the electronic sub-assemblies is shown in figure 1. Two diode lasers, characterized for H_2CO and H_2O_2 respectively, are housed in laser source assemblies LSA-A and LSA-B which maintain the temperature of the lasers in the 20 to 60 K range. The frequency of the emitted radiation from each laser is a function of its composition, the temperature and the current passing through the diode. The lasers operate in cw mode and the current may be modulated at kHz frequencies so that phase sensitive detection techniques may be employed (see for example Hastie 1983).

The laser radiation from each head is collected and collimated by an f/2 off-axis parabolic mirror, OAP_1 or OAP_2, which produces a 15 mm OD parallel beam of light. Plane fold mirrors, M1 and M2, maneuver the beams onto a flip mirror, S, which is switched every three seconds to permit the beam from each diode to enter the White cell in turn. A second off axis-parabolic mirror OAP_3 focuses the beam into the White cell.

The White cell is a Teflon lined 1.75 m long Pyrex tube with an inside diameter of 15.2 cm. Sampled air enters through a 6 mm OD Teflon tube passing through one end plate and terminating just above, and in front of, the in-focus, White cell mirror. The gas is exhausted through a 2.5 cm ID tube in the aluminum plate at the opposite end of the cell. The mirrors are ground from Zerodur blanks to a surface quality of $\lambda/16$. The reflecting surfaces are gold overcoated with MgF_2. The base path length of the White cell is 150 cm. A corner cube reflector at the point where the beam would normally exit, reflects the laser radiation back through the cell, retracing its path, but translated vertically about 2 cm from the original beam (Horn and Pimentel, 1971). In this way the beam can make twice as many passes at the minimum allowable spacing between reflections on the in-focus mirror, i.e. before interference from overlap of adjacent beams becomes an important source of optical noise. With this design the incident beam makes 102 passes of the White cell for an overall path length of 153 m.

The entrance window on the White cell is positioned at an angle of about 45° with respect to the laser beam and splits the beam into two parts. The majority of the laser radiation passes through the window and into the White cell. About 5% of the beam is reflected through cells, RC1 and RC2, which contain high concentrations of the monitored species and is then focussed by lens L2 onto detector D2. The output of this detector is passed to a specially designed lock-in amplifier which detects the center of the absorption line due to the trace gas being monitored and sends this information to the computer for line-locking.
The beam exiting the White cell is focussed by a BaF_2 f/1.5 lens, L1, onto a liquid-nitrogen cooled, mercury cadmium telluride, infrared detector, D1. The output of this detector is fed into an oscilloscope for visual representation and to a lock-in amplifier and data acquisition/computer control system for analysis and storage.

2.2 Sampling and Calibration Procedures

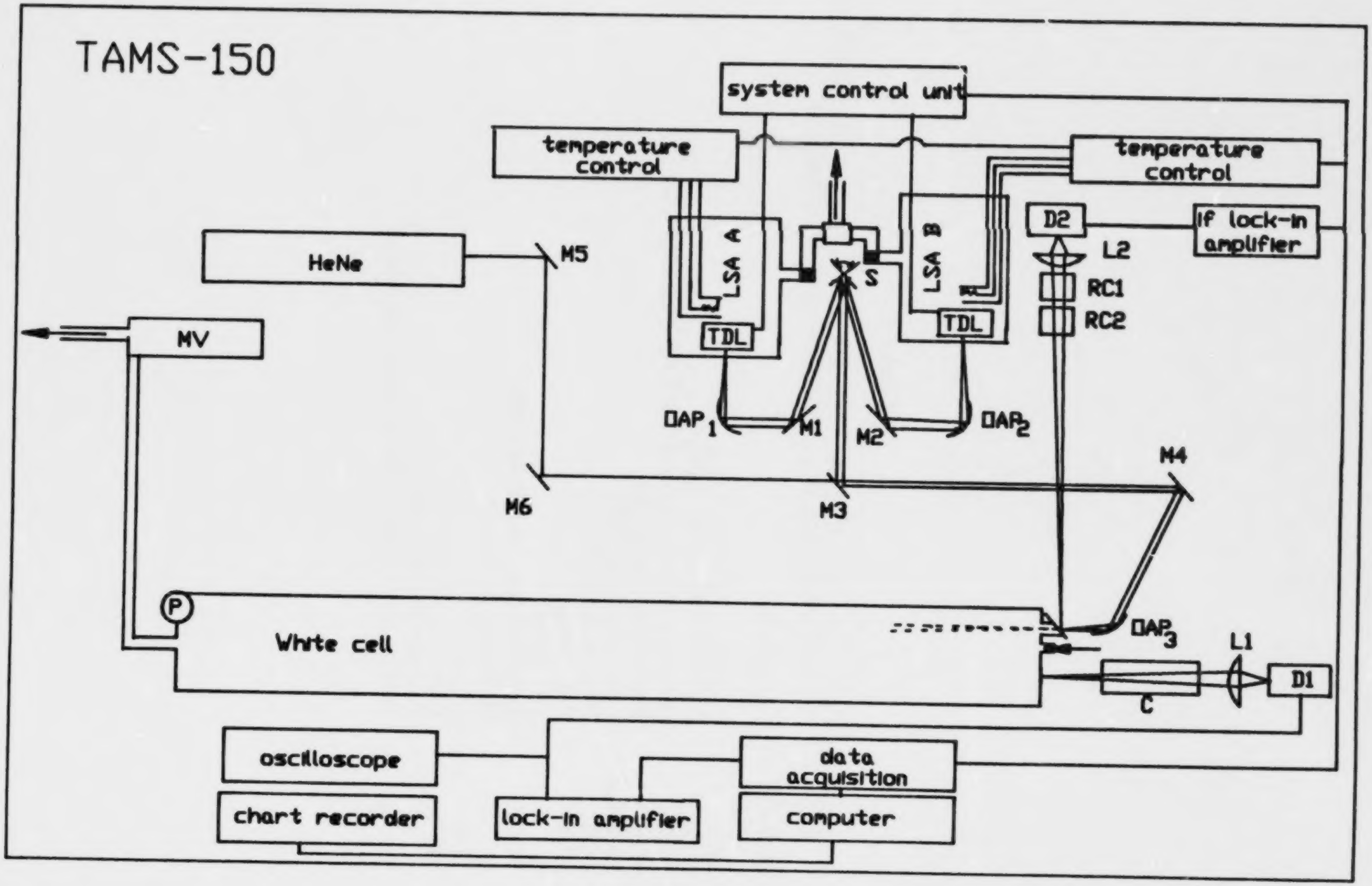
Sample air is drawn through a 6 mm OD. 0.75 mm wall, FEP type Teflon tube approximately 8 m long. Particles are removed from the air by a 1.2 micron pore size Teflon filter located at the tubing entrance. A Teflon needle valve located 1 m downstream of the inlet maintains the flow into the White cell at 16 standard litres per minute (SLM). The section of the inlet line up to and including the needle valve was thermostated at 28°C. The low pressure portion of the line (8 m long) was at ambient temperatures.

The air traverses the inlet line in a few tenths of a second while the residence time in the White cell is about 5 seconds. The flow of air entering the White cell is monitored with a calibrated mass flowmeter just prior to each calibration and is adjusted by the needle valve as necessary. A motorized valve, which is referenced to a MKS Baratron pressure gauge, controls the pressure in the White cell at 25 Torr.

FIGURE 1

SCHEMATIC OF THE OPTICAL SYSTEM AND A BLOCK DIAGRAM OF THE CONTROL ELECTRONICS OF THE TAMS-150

Symbol	Description
MV	Pressure control valve
$OAP_{1/2}$	f/2 off axis parabolic mirrors
OAP_3	Off axis parabolic mirror with a focal length of 32 cm
M1-2	Beam directing mirrors
LSA A/B	Laser source assembly
D1/2	Infrared detectors
L1/2	BaF_2 lenses
S	Flip mirror
RC1/2	Reference cells for line locking
HENE	HeNe alignment laser
TDL	Diode laser
M1-6	Beam directing mirrors
P	Baratron pressure gauge
C	Reference cell used in HNO_3 optical calibration


TAMS-150
system control unit
temperature control
temperature control
HeNe
M5
LSA A
LSA B
S
TDL
TDL
D2
L2
RC1
RC2
lf lock-in amplifier
MV
DAP1
M1
M2
DAP2
M4
M6
M3
P
White cell
DAP3
L1
C
D1
oscilloscope
data acquisition
chart recorder
lock-in amplifier
computer

The sensitivity of the TAMS-150 toward H_2O_2 and H_2CO is determined by introducing a 'spike' of known concentration of the target gas to the air stream where it is sampled into the system, immediately upstream of the particle filter. The concentration of the spike is chosen to provide mixing ratios similar to that of the constituent in the sampled air. In this way, any surface effects that may occur will be the same for the sampled and spiked air and should, therefore, cancel. A complete description of sampling integrity testing performed on H_2O_2 and H_2CO is given, respectively, in Slemr et al, (1986) and Harris et al, (1988).

The H_2O_2 and H_2CO standards used in this study were permeation devices of our own design (Slemr 1986; Harris 1988). H_2CO was calibrated colorimetrically using the chromotropic acid technique (Harris 1988). The permeation rate was determined in the laboratory before and after the field study. An average permeation rate of 144 ± 6 $ng.min^{-1}$ was obtained.

The permeation rate of the H_2O_2 calibration source was determined by the colorimetric $TiCl_4$ method of Pilz and Johann (1974). A detailed description of our procedure is given in Slemr et al. (1986). The permeation rate was determined daily during the field study and the value obtained used for the subsequent sampling period. Experience has shown that the permeation rate of our H_2O_2 device decreases slowly with time, approximately at the rate of 10% per month. During the study the H_2O_2 permeation rate was nominally 550 $ng.min^{-1}$.

During the measurement periods the calibration gases flow continuously through the addition lines up to 3-way solenoid valves located close to the sampling gas inlet. When not required for calibration, these gas mixtures are exhausted far away from the inlet. During a calibration the solenoid valve closes the exhaust line and admits the calibration gas mixture to the sampled air stream. The addition lines are sufficiently short that negligible loss of the trace constituent occurs in the lines and little delay is observed before stabilization of the measured calibration mixing ratio.

The minimum detection limit, MDL, defined as a signal-to-noise ratio of 1, is determined experimentally at the selected laser operating conditions and absorption feature. Scrubbed ambient air (H_2O_2) or clean bottled air (H_2CO) is introduced at the sampling inlet and the laser current scanned over the range of the absorption feature to obtain a background noise level, Sn. A known mixing ratio, MR, in ppbv of trace constituent is then added and the signal, Ss measured. The ratio of Sn/Ss X MR provides the MDL in ppbv, which for H_2CO is about 0.1 ppbv and for H_2O_2 is about 0.15 ppbv.

The following description of the sequence of events during an automatic ambient air monitoring experiment illustrates how laser control, as well as data analysis, are achieved.

The procedures are the same for H_2O_2 and H_2CO except for the type and frequency of the background spectra acquisition.

Information for the operating parameters selected for the H_2O_2 measurements are input to the computer. The software then operates the system automatically. It first obtains a background spectrum by sampling scrubbed ambient air at the inlet so that the White cell is free of H_2O_2. The background spectrum is obtained and archived. Next, calibration gas is added at the sampling inlet and, after a suitable stabilization period (60 seconds), a calibration-reference spectrum is obtained. The reference spectrum is also archived in its untreated form as are all subsequent spectra of ambient air. The background spectrum is subtracted (channel by channel) from the reference spectrum and the result normalized to the mean value of the untreated reference spectrum. This procedure essentially removes the frequency dependent structure present in the background from the reference spectra.

Once the calibration-background procedure has been completed the software resets the solenoid valves to admit ambient air and, after an appropriate delay (60 seconds for both species) to achieve steady conditions, an ambient air spectrum is acquired. The background structure is subtracted and the result digitally smoothed. The smoothing algorithm employs least squares fitting of the best quadratic or cubic function to a running window of seventeen channels and replaces the data in the central channel of the group with the value of the function at that point. This algorithm is very effective in suppressing high frequency noise without distorting line shapes if the number of channels per line width (i.e. the scan range) is appropriately chosen. The ambient air spectrum is then compared to the calibration spectrum using a least squares fitting procedure. Since the mean values of the calibration spectrum and the ambient air spectrum may differ due to potentially varying broad band transmittance of ambient air outside the White cell and since the mean value of the ambient spectrum contains no useful information, the calibration spectrum is adjusted to have a zero mean value before fitting. Thus, the intensity of the absorption line in the ambient air spectrum is obtained as a fraction of the calibration line intensity.

A sampling sequence is made up of a background measurement, one or more ambient measurements and a second background measurement. Because the above described analysis procedure depends on the background remaining constant during a sampling sequence the minimum detection limit will depend on the stability of the background structure during this period. Variability in the atmospheric conditions can act to degrade the detection limits when the composition of the sampled air mass is rapidly changing. The measurement procedure for each species is discussed in detail in section 3.2.

3. AMBIENT AIR MEASUREMENTS OF H_2O_2 AND H_2CO

3.1 Experimental Configuration

On June 7, 1987 the Unisearch mobile laboratory containing the TAMS-150 arrived at the SCAQS Claremont 'A' intensive site and remained at this site until the end of the summer extension on September 4, 1987. The mobile laboratory was positioned towards the south end of the sampling platform (~30 m south of the headquarters trailer) adjacent to a large playing field.

On November 9, 1987 the mobile lab was moved to the SCAQS Long Beach 'A' intensive site where it remained until the end of the fall study on December 12, 1987. The mobile laboratory was positioned at the south end of the platform which was about 15 m from end to end. The configuration with respect to the DOAS and other investigators was much the same as at Claremont but on a more compressed scale. A playing field was to the north and an aircraft hanger to the south.

The same inlet system used in both parts of the study and was constructed entirely of Teflon fittings and tubing. During the summer study the sampling port was positioned on the far side of the platform (the side opposite the location of all the mobile laboratories) and 10 ft above the ground (5 ft above the platform). In the fall study the sampling port was positioned on the near side of the platform 12 ft above the ground; 3 ft above the mobile laboratory roof and 3 ft away. The inlet tube consisted of 8 m of 6 mm OD, 0.75 mm wall TFE Teflon tubing.

A 1.2 micron pore size Teflon filter was installed in the sampling line about one meter down stream of the inlet to remove particles from the gas stream. This filter was replaced daily between 06:00 and 09:00 local time and the inlet line upstream of the filter was taken apart and thoroughly cleaned of particle matter.

3.2 Measurement Procedure

The TAMS-150 simultaneously obtained a 1 minute average data point for each species every 3 minutes. The raw data were stored on floppy diskettes for future analysis in the laboratory and the real time measurements were printed out to the computer monitor and printer at 3 minute intervals.

Calibration of H_2O_2 was performed once a day, usually between 06:00 and 08:00. The sensitivity of the instrument toward H_2O_2 was observed to have a day-to-day stability of better than 10%. H_2CO was calibrated approximately every four hours. The sensitivity variation was less than 10% between calibrations.

Background spectra for formaldehyde were obtained by adding bottled zero air at the sampling inlet to flush the system of ambient H_2CO. Since the H_2CO levels were always more than an order of magnitude above the detection limits background spectra were only obtained every few hours.

Hydrogen peroxide background spectra were obtained by inserting a charcoal scrubber in the sampling line that efficiently removed the H_2O_2 with a minimum perturbation the H_2O concentration. H_2O is the major interfering species in the absorption region employed for detection of H_2O_2 and, therefore, it is important to retain any perturbation of the background spectra due to this species so that it may be subtracted from the ambient measurement.

Although the chosen H_2O_2 absorption was free of coincidental interferences, the pressure broadened tail of water lines lying on either side of the H_2O_2 feature could cause changes in the background structure and hence degrade the detection limit. This would be particularly true during periods of high and variable humidity, e.g. at night and during rain events, when the scrubber might remove sufficient water vapor to modify the background.

Since the ambient H_2O_2 levels were often close to the detection limit (on average 50% of the time) changes in the background due to fluctuations in the humidity could significantly degrade the detection limit. To minimize this source of noise the ambient measurement sequence used was to alternately take background and ambient spectra. The actual sequence of events was: 1) turn on scrubber and allow 30 seconds of stabilization, 2) measure background for 60 seconds, 3) turn off scrubber and allow 30 seconds of stabilization, 4) measure ambient for 60 seconds, 5) turn on scrubber and allow 30 seconds of stabilization, 6) measure background for 60 seconds, and so on. Therefore, one ambient data point was obtained every 3 minutes.

The accuracy of the measurements is estimated to be ± 20%. The major source of calibration error for both species is the colorimetric calibration procedure which has an uncertainty assessed at ± 10% Additional uncertainties of ± 2% are caused by temperature variations of the permeation device, and ± 5% from the measurement of the carrier gas flow. The carrier gas flowmeter (Tylan, model FM361-20SLM) was checked against a bubble flowmeter prior to the study.

Data coverage was generally ~90% with down times associated with the calibration periods for the most part. On a few occasions computer malfunction (due to power failures) gave rise to extended periods in which no data was recorded.

4. RESULTS AND DISCUSSION

Tables 1 and 2 summarize the TDLAS measurements made during the summer and fall SCAQS periods respectively indicating which days were designated for intensive measurements (SCAQS days), the species that were measured each day and the extent of data coverage in hours. 24 hours of data coverage indicates measurements were made continuously for the entire 24 hour period although up to 1 hour (30 minutes or less in any hourly period) may be missing due to calibration(s). Pacific Standard Time (PST) is used throughout.

The 15 minute running averages of the point data for the 17 SCAQS intensive days are presented in tabular and graphical form in appendix A. The H_2O_2 running averages were determined from the slope of a least squares fit of a calibration spectrum to the average of the individual 1 minute ambient spectra acquired over a 15 minute period and calculated at the point situated in the middle of the time period; i.e. the data point at 10:27:30 includes all spectra acquired in the time period 10:20:00 through 10:35:00. The MDL's were calculated in a similar manner averaging the background spectra obtained in the same time period.

The H_2CO running averages were calculated from a simple average of the 1 minute data points obtained during a 15 minute period. No re-analysis of the spectra was performed. Also, as backgrounds were only obtained approximately ever 8 hours these values were not included.

Appendix B contains the 1 hour averages and graphical representations of the data obtained on all 57 summer and 20 fall measurement days (including intensive days). Data analysis was similar to that for the 15 minute running averages except that values were only calculated for the entire 1 hour block.

Simultaneous measurements of H_2O_2 and H_2CO were made on 13 days including 8 of the 11 intensive days during the period of the summer study. H_2O_2 was measured on 44 additional days including the 3 other intensive days. HNO_3 was monitored simultaneously with H_2O_2 on 37 days but is not reported here (see Unisearch final report 1988, ARB contract No. A732-041). H_2O_2 was monitored in single mode on 7 days at the start of the summer extension (August 18-24). During the fall study H_2O_2 and H_2CO were measured on 20 days including all 6 intensive days. Data coverage was better than 90%.

Figures 2 and 3 show the diurnal behavior of H_2CO (top) and H_2O_2 (bottom) during the summer and fall intensives respectively. The variations displayed in these figures are representative of the behavior of both species throughout the two study periods.

Table 1. Tunable diode laser absorption spectrometer measurements made at Claremont, CA during the Summer Southern California Air Quality Study.

DATE 1987	JULIAN DATE	STATUS[a]	SPECIES A	DATA HOURS	SPECIES B	DATA HOURS
JUNE 15	166		H_2O_2	12	HNO_3	19
JUNE 16	167		H_2O_2	24	HNO_3	24
JUNE 17	168		H_2O_2	23	HNO_3	23
JUNE 18	169		H_2O_2	22	HNO_3	22
JUNE 19	170	SCAQS	H_2O_2	24	HNO_3	24
JUNE 20	171		H_2O_2	18	HNO_3	18
JUNE 21	172		H_2O_2	24	HNO_3	24
JUNE 22	173		H_2O_2	24	HNO_3	24
JUNE 23	174		H_2O_2	24	HNO_3	24
JUNE 24	175	SCAQS	H_2O_2	24	HNO_3	24
JUNE 25	176	SCAQS	H_2O_2	24	HNO_3	24
JUNE 26	177		H_2O_2	19	HNO_3	19
JUNE 27	178		H_2O_2	22	HNO_3	22
JUNE 28	179		H_2O_2	24	HNO_3	24
JUNE 29	180		H_2O_2	24	HNO_3	24
JUNE 30	181		H_2O_2	24	HNO_3	24
JULY 01	182		H_2O_2	24	HNO_3	24
JULY 02	183		H_2O_2	24	HNO_3	24
JULY 03	184		H_2O_2	24	HNO_3	24
JULY 04	185		H_2O_2	22	HNO_3	22
JULY 05	186		H_2O_2	23	HNO_3	23
JULY 06	187		H_2O_2	24	HNO_3	24
JULY 07	188		H_2O_2	24	HNO_3	24
JULY 08	189		H_2O_2	24	HNO_3	24
JULY 09	190		H_2O_2	24	HNO_3	24
JULY 10	191		H_2O_2	24	HNO_3	24
JULY 11	192		H_2O_2	24	HNO_3	24
JULY 12	193		H_2O_2	19	HNO_3	24
JULY 13	194	SCAQS	H_2O_2	24	H_2CO	24
JULY 14	195	SCAQS	H_2O_2	24	H_2CO	24
JULY 15	196	SCAQS	H_2O_2	24	H_2CO	24
JULY 16	197		H_2O_2	24	HNO_3	24
JULY 17	198		H_2O_2	24	HNO_3	24
JULY 18	199		H_2O_2	24	HNO_3	24
JULY 19	200		H_2O_2	23	HNO_3	23
JULY 20	201		H_2O_2	23	HNO_3	23
JULY 21	202		H_2O_2	24	HNO_3	24
JULY 22	203		H_2O_2	24	HNO_3	24
JULY 23	204		H_2O_2	23	HNO_3	23
JULY 24	205		H_2O_2	6	HNO_3	24
AUGUST 18	230		H_2O_2	15	-	
AUGUST 19	231		H_2O_2	19	-	
AUGUST 20	231		H_2O_2	24	-	
AUGUST 21	233		H_2O_2	24	-	
AUGUST 22	234		H_2O_2	24	-	
AUGUST 23	235		H_2O_2	23	-	

Table 1 continued

DATE 1987	JULIAN DATE	STATUS[a]	SPECIES A	DATA HOURS	SPECIES B	DATA HOURS
AUGUST 24	236		H_2O_2	24	-	
AUGUST 25	237		H_2O_2	17	H_2CO	10
AUGUST 26	238	SCAQS	H_2O_2	23	H_2CO	24
AUGUST 27	239	SCAQS	H_2O_2	22	H_2CO	10
AUGUST 28	240	SCAQS	H_2O_2	23	H_2CO	10
AUGUST 29	241		H_2O_2	24	H_2CO	24
AUGUST 30	242		H_2O_2	24	H_2CO	24
AUGUST 31	243		H_2O_2	24	H_2CO	24
SEPTEMBER 01	244		H_2O_2	23	H_2CO	24
SEPTEMBER 02	245	SCAQS	H_2O_2	24	H_2CO	24
SEPTEMBER 03	246	SCAQS	H_2O_2	24	H_2CO	24

Table 2. Tunable diode laser absorption spectrometer measurements made at Long Beach CA during the Fall Southern California Air Quality Study.

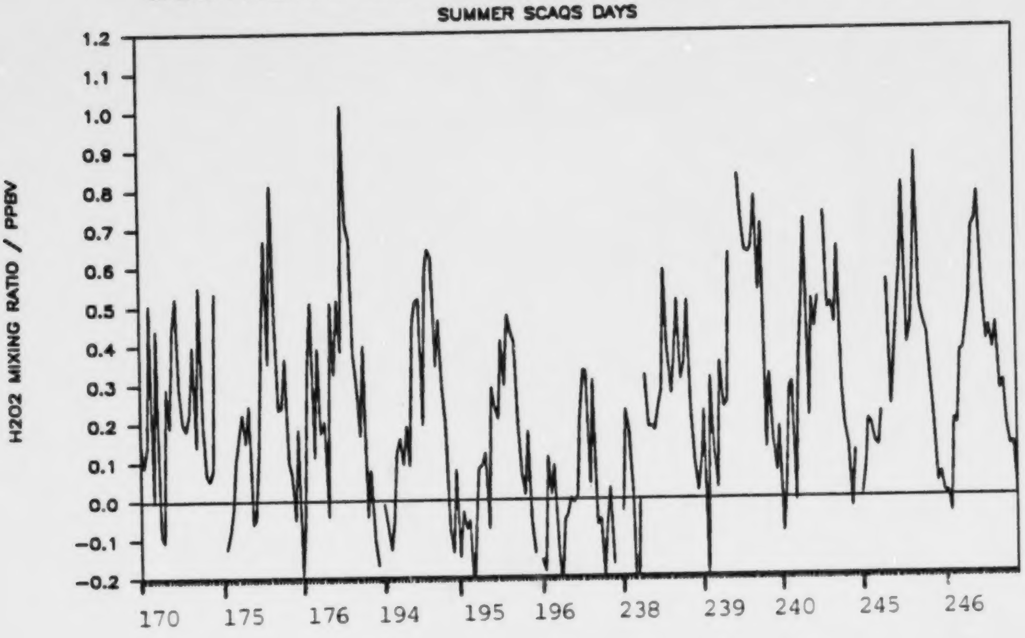
DATE 1987	JULIAN DATE	STATUS[a]	SPECIES A	DATA HOURS	SPECIES B	DATA HOURS
NOVEMBER 10	314		H_2O_2	16	H_2CO	16
NOVEMBER 11	315	SCAQS	H_2O_2	22	H_2CO	23
NOVEMBER 12	316	SCAQS	H_2O_2	24	H_2CO	24
NOVEMBER 13	317	SCAQS	H_2O_2	22	H_2CO	24
NOVEMBER 14	318		H_2O_2	23	H_2CO	23
NOVEMBER 15	319		H_2O_2	18	H_2CO	18
NOVEMBER 16	320		H_2O_2	18	H_2CO	18
NOVEMBER 17	321		H_2O_2	24	H_2CO	24
NOVEMBER 18	322		H_2O_2	23	H_2CO	23
DECEMBER 01	335		H_2O_2	23	H_2CO	23
DECEMBER 02	336		H_2O_2	24	H_2CO	24
DECEMBER 03	337	SCAQS	H_2O_2	24	H_2CO	24
DECEMBER 04	338		H_2O_2	19	H_2CO	19
DECEMBER 05	339		H_2O_2	24	H_2CO	24
DECEMBER 06	340		H_2O_2	24	H_2CO	24
DECEMBER 07	341		H_2O_2	24	H_2CO	24
DECEMBER 08	342		H_2O_2	24	H_2CO	24
DECEMBER 09	343		H_2O_2	22	H_2CO	22
DECEMBER 10	344	SCAQS	H_2O_2	23	H_2CO	24
DECEMBER 11	345	SCAQS	H_2O_2	24	H_2CO	24

FIGURE 2

Diurnal behavior of the 1 hour averaged H_2O_2 (top) and H_2CO (bottom) mixing ratios measured by the tunable diode laser absorption spectrometer during the summer SCAQS intensive days at the Claremont "A" site, Claremont, CA.

SOUTHERN CALIFORNIA AIR QUALITY STUDY

SUMMER SCAQS DAYS



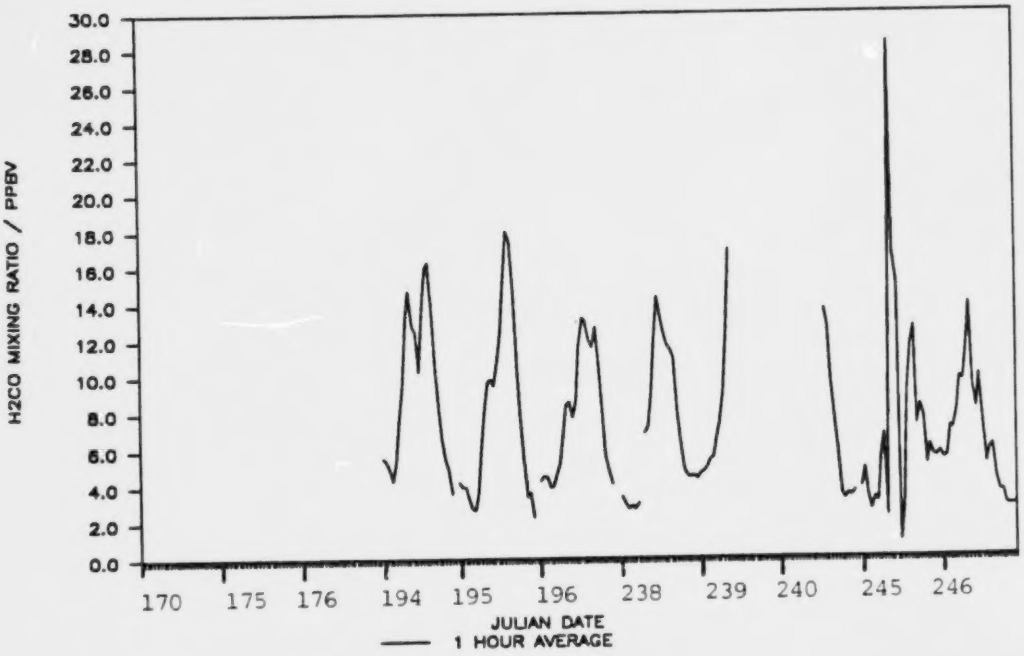
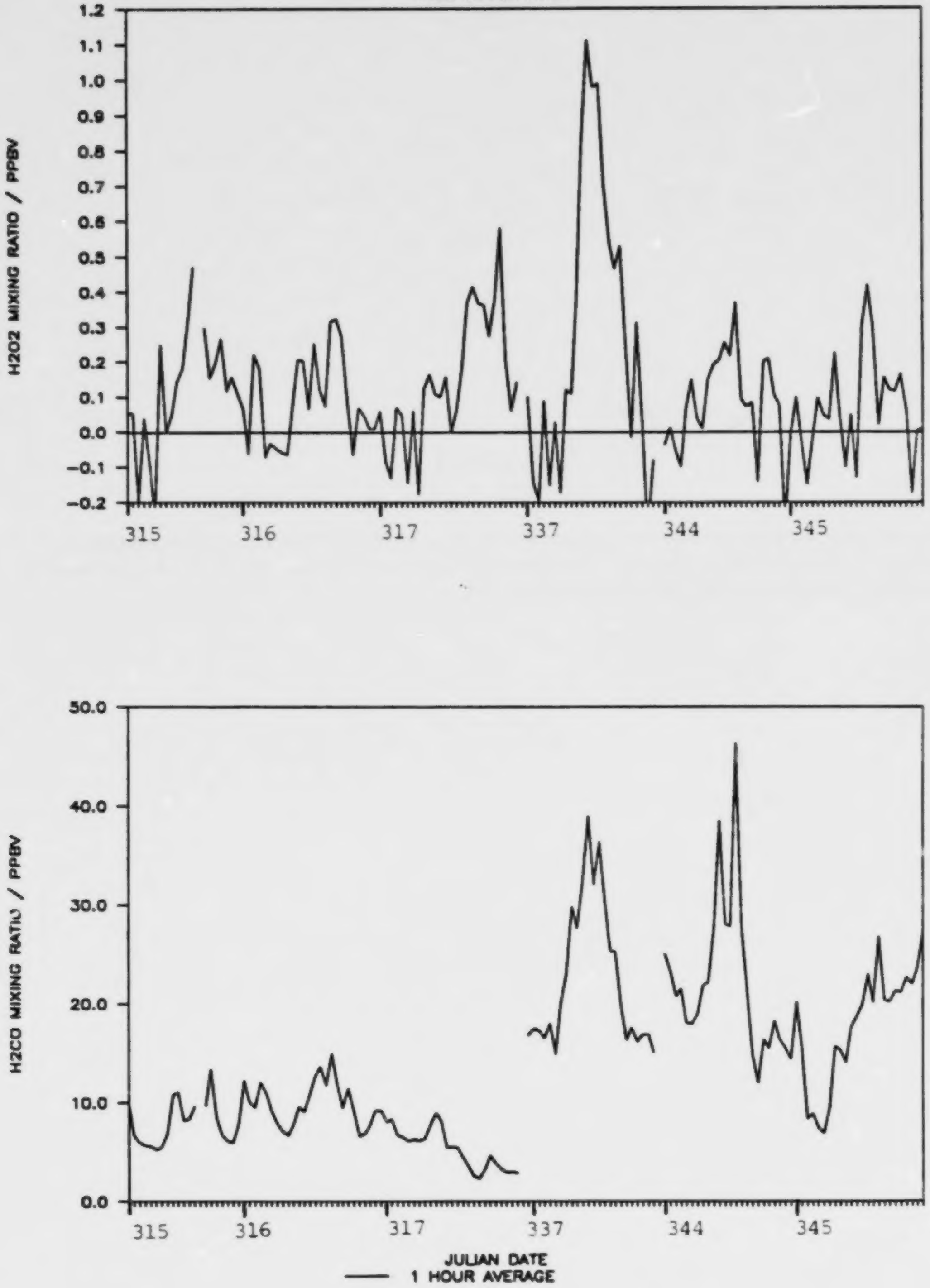


FIGURE 3

Diurnal behavior of the 1 hour averaged H_2O_2 (top) and H_2CO (bottom) mixing ratios measured by the tunable diode laser absorption spectrometer during the fall SCAQS intensive days at the Long Beach "A" site, Long Beach, CA.

SOUTHERN CALIFORNIA AIR QUALITY STUDY

FALL SCAQS DAYS



The minimum detection limit (MDL) for the 1 minute data points (obtained every 3 minutes and determined by treating alternate backgrounds as ambient data (see Schiff 1987)) were usually about 0.5 ppbv. Post study re-analysis of the data by averaging the background and ambient spectra improved the quality of the measurements and reduced the MDL to about 0.3 ppbv and 0.15 ppbv for 15 minute and 1 hour averages respectively.

The results of such an analysis is shown in figure 4. The top graph displays the 15 minute running average (4-5 data points) H_2O_2 mixing ratio variation on the summer SCAQS intensive day September 2, 1988. The second graph shows the variation in the 15 minute running average (again 4-5 data points) of the background spectra analyzed as ambient measurements to provide a measure of the MDL.

The measurements indicate that the (15 minute) MDL can be less than 0.1ppbv and as much as 0.3 ppbv for extended periods. Graphs 3 and 4 show the corresponding ambient and MDL values for 1 hour averages (1 hour blocks). The one hour MDL values were generally less than 0.1 ppbv and never exceeded 0.15 ppbv.

There is considerable variation in the measured ambient signal. The extent to which the smaller (<.3 ppbv) fluctuations are real is not certain (see discussion below). Averaging of the results over 1 hour periods effectively smooths out these oscillations. In contrast, H_2CO does not exhibit similar fluctuations and the 15 minute running averages and the 1 hour averages display similar behavior. Figure 5 shows the diurnal behavior of H_2CO during the July 15th SCAQS intensive.

Close inspection of the data indicates that when H_2O_2 was near the detection limits, the measured ambient variations, both for 15 minute and 1 hour averages, often exceeded the respective MDL values. Negative 1 hour averages as large as -0.25 ppbv were obtained on occasion during the nighttime hours with the largest negative values occurring at dawn and dusk.

The source of this degradation in detection limit is thought to be distortion of the background spectra by water vapor lines lying on either side of the H_2O_2 absorption. Although no water lines are co-incident with the H_2O_2 absorption, the H_2O mixing ratio is so large and the absorbances are so strong (>10 times H_2O_2) that slight changes in the pressure-broadened tail of a H_2O line lying several line-widths distant from the H_2O_2 absorption can distort the background and result in a degradation of the detection limit.

The problem arises, not because the water vapor absorptions are present, but because the scrubber employed to generate H_2O_2 free air for the background measurements also removes a small fraction of the H_2O vapor. Therefore, the background spectra obtained will be distorted from the actual ambient background containing H_2O, and during periods of high and changing humidity (e.g. dawn and dusk) the detection limits can be expected to deteriorate.

Furthermore, since the H_2O_2 levels are very low at these times the degradation in data quality is more noticeable. The MDL remains excellent because the variations in humidity between acquisition of consecutive background spectra (3 minutes) is small.

Caution should be exercised in interpreting the data during the night and when the H_2O_2 levels are low. Variability in the hourly averages should be considered to determine a true value for the detection limit and the reliability of the results during these periods. In the worst case, for the results presented here, the detection limit can be considered to be 0.3ppbv or better for the 1 hour averages.

The diurnal behavior of H_2CO was quite regular. The maximum concentrations occurred between 12:00 and 16:00 each day and daily maximum varied considerably. During the summer intensives H_2CO daytime 1 hour average maxima were between 15 and 20 ppbv with instantaneous values as high as 35 ppbv on occasion. H_2CO behavior on non-intensive days was similar but daytime maxima tended to by about 5 ppbv lower. For both intensive and non-intensive periods, nighttime minima occurred between 22:00 and 06:00 and were generally in the range 2 to 6 ppbv. H_2CO was always well above the detection limits during both summer and winter studies.

During the fall study at the Long Beach site there was little difference between the designated intensive days and the non-intensive periods with regard to H_2CO levels or diurnal behavior. Instantaneous values as high as 50 ppbv were measured on several occasions while 1 hour averaged peak values were in the range 10-30 ppbv. Nighttime lows were generally in the 5 to 10 ppbv range, consistently higher than at Claremont.

FIGURE 4

Variation in the H_2O_2 mixing ratio and the scrubbed ambient backgrounds (MDL) measured by the tunable diode laser absorption spectrometer on September 2, 1987 at the Claremont "A" site.

TOP	15 minute running average H_2O_2 mixing ratios.
2nd	15 minute running average of the scrubbed ambient background spectra which provide a measure of the minimum detection limit for this averaging period.
3rd	1 hour average H_2O_2 mixing ratios.
Bottom	1 hour average of the scrubbed ambient background spectra which provide a measure of the minimum detection limit for this averaging period.

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – SEPTEMBER 2, 1987

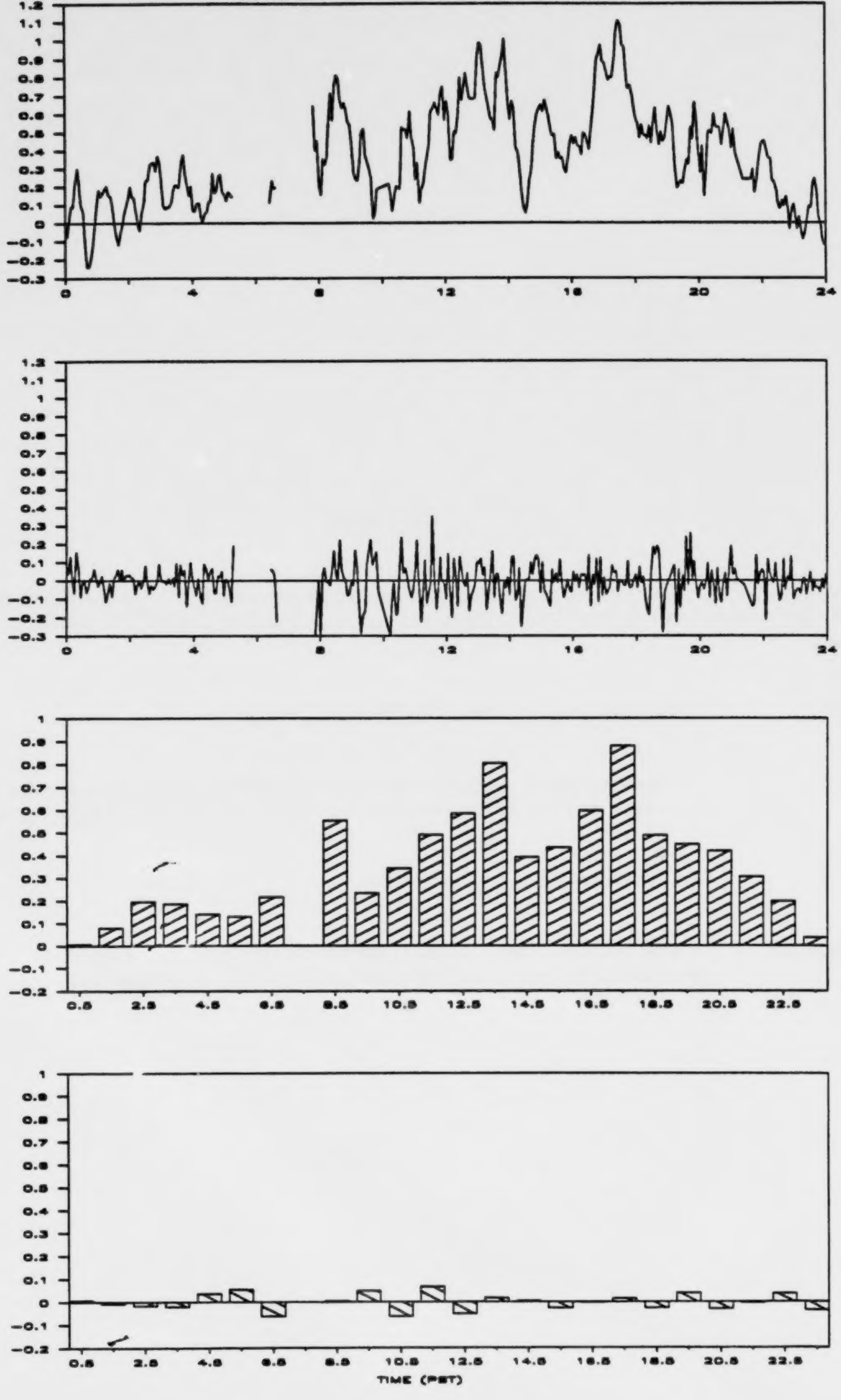
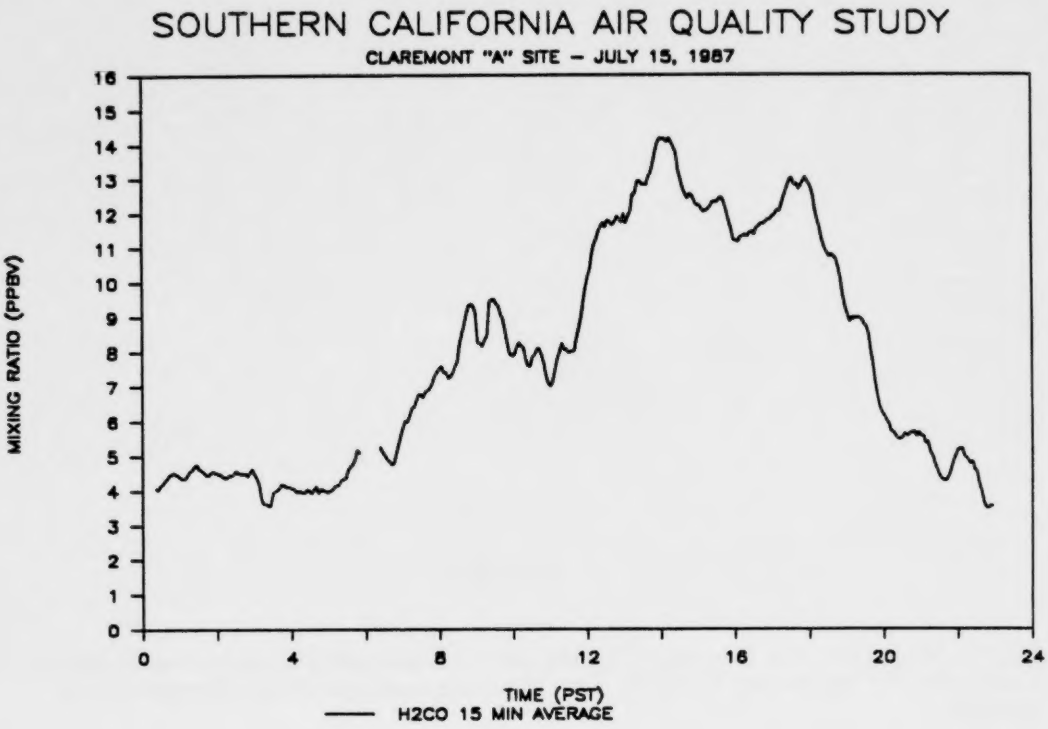


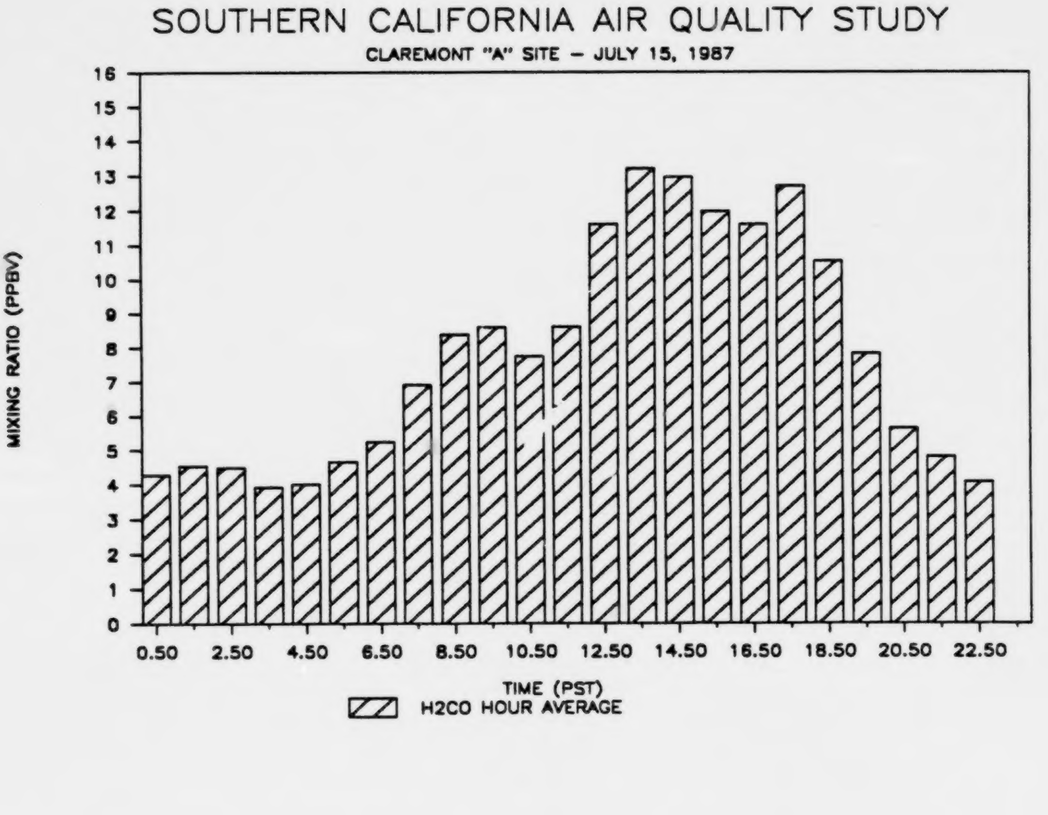
FIGURE 5

Diurnal behavior of H_2CO measured by the tunable diode laser absorption spectrometer at the Claremont "A" site on July 15, 1987. Top: 15 minute running average; Bottom: 1 hour average.



SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 15, 1987



SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 15, 1987

On many of the measurement days at both sites a double maximum in the H_2CO signal was observed. The first occurred during the morning, ~08:00-11:00, and the second peak occurred in the afternoon, 12:00-16:00. The results are similar to those recorded during the Carbonaceous Species Methods Comparison Study at Glendora, CA in 1986 (Lawson et. al. (1988)) where the morning peak was found to correlate well with directly injected pollutants such as NO_x and particulate black carbon concentrations and the afternoon peak was associated with arrival of photochemically produced ozone. Preliminary on site interchange of SCAQS results suggest similar conclusions.

The behavior of H_2O_2 was not as predictable. Daytime maxima occurred between 11:00 and 15:00 at both sites, however, on several occasions there was little variation in the measured H_2O_2 signal which remained low (<0.5 ppbv) throughout a 24 hour period. Daytime maxima at the Claremont site ranged between 0.4 ppbv and 1.2 ppbv and the H_2O_2 often dropped below the detection limit of 0.15 ppbv for at least part of the night. The highest H_2O_2 values obtained during the study were on June 27th when 1 hour average values as high as 1.3 ppbv and instantaneous values of 2.0 ppbv were obtained. The lowest H_2O_2 levels over and extended period were measured on August 21st when the values were below 0.15 ppbv for the entire 24 hour period.

During the fall study, the H_2O_2 daytime values were generally lower than those measured in the summer. Maximum values were in the 0.3 to 0.5 ppbv range and nighttime lows were generally below the detection limit of 0.15 ppbv. On a number of occasions H_2O_2 did not significantly exceed the detection limit in a 24 hour period. An exception to this general behavior occurred on December 3rd and 4th when the one hour average daytime maxima were above 1 ppbv and instantaneous values in excess of 1.6 ppbv were recorded.

For both species, the data obtained on the 17 intensive days were not substantially different from those obtained during the non-intensive periods.

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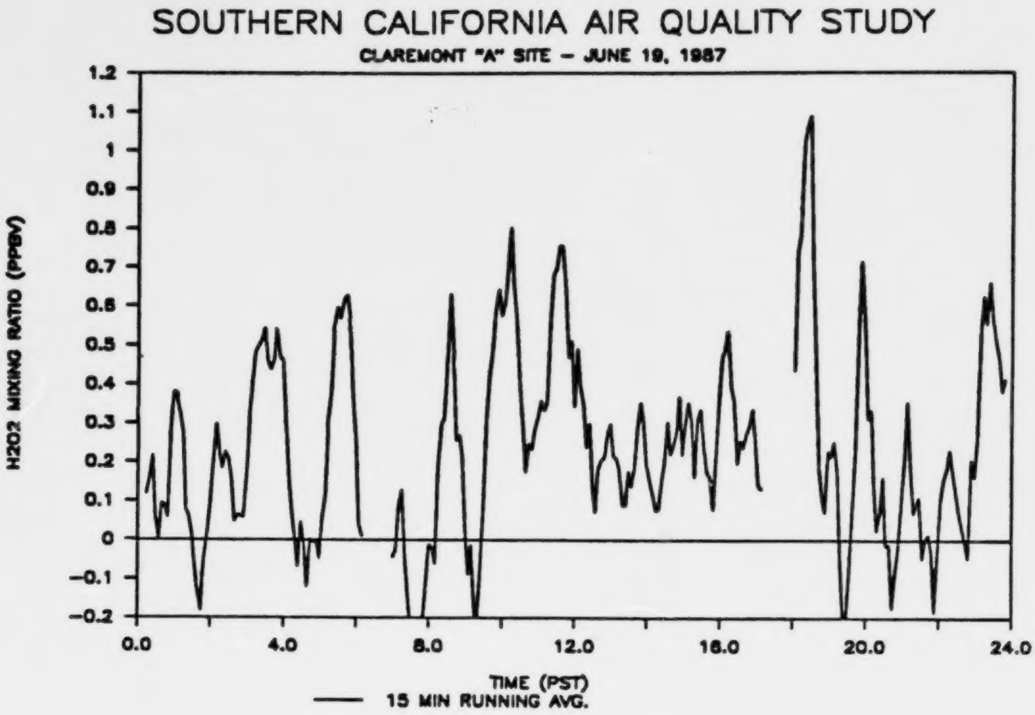
APPENDIX A

15 minute running average H_2O_2 and H_2CO mixing ratios obtained on SCAQS intensive days

H_2O_2 mixing ratios are calculated from the slope of a least squares fit of a calibration spectrum to the 15 minute average of the individual 1 minute ambient spectra at the mid-point of the time slot; i.e. the value at 10:27:30 would include all values between 10:20:00 and 10:35:00. The MDL values are calculated in the same manner from the 1 minute background spectra.

H_2CO values are obtained by simply averaging the 1 minute data points determined from the slope of a least squares fit of a calibration spectrum to the 1 minute spectra (and which were calculated in 'real' time). The linear correlation coefficients shown are not related to the running average but rather are those obtained from fitting the 1 minute spectra at the indicated time point. They are shown to provide an indication of the quality of the data points included in the running average. Since background spectra were only taken every ~8 hours these data are not shown.


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 19, 1987
H2O2 MIXING RATIO (PPBV)
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.0
4.0
8.0
12.0
16.0
20.0
24.0
TIME (PST)
15 MIN RUNNING AVG.

PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 19, 1987
JULIAN DATE: 170

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
20:12:32			CALIBRATION
01:03:45			
01:08:43			
01:13:52	0.12	0.11	
01:18:56	0.16	0.02	
01:23:53	0.22	-0.06	
01:28:52	0.06	0.05	
01:33:50	0.00	0.02	
01:38:48	0.09	0.03	
01:43:47	0.09	-0.11	
01:48:45	0.06	0.03	
01:53:42	0.29	0.02	
01:58:41	0.38	-0.03	
02:03:38	0.38	-0.07	
02:08:37	0.33	0.05	
02:13:42	0.28	0.02	
02:18:41	0.08	-0.05	
02:23:39	0.06	0.03	
02:28:37	0.02	0.02	
02:33:34	-0.07	0.04	1.00
02:38:32	-0.12	-0.05	
02:43:30	-0.18	0.15	
02:48:29	-0.05	0.15	
02:53:27	0.02	0.12	
02:58:26	0.09	0.08	
03:03:23	0.20	0.06	
03:08:22	0.30	-0.08	
03:13:23	0.23	-0.09	
03:18:21	0.19	-0.11	
03:23:18	0.23	-0.18	
03:28:25	0.21	-0.07	
03:33:23	0.15	-0.15	
03:38:22	0.05	-0.07	
03:43:21	0.06	0.02	
03:48:20	0.06	0.02	
03:53:17	0.06	-0.01	
03:58:15	0.17	0.18	
04:03:15	0.32	0.09	
04:08:16	0.41	0.06	
04:13:16	0.48	0.05	
04:23:06	0.51	0.09	

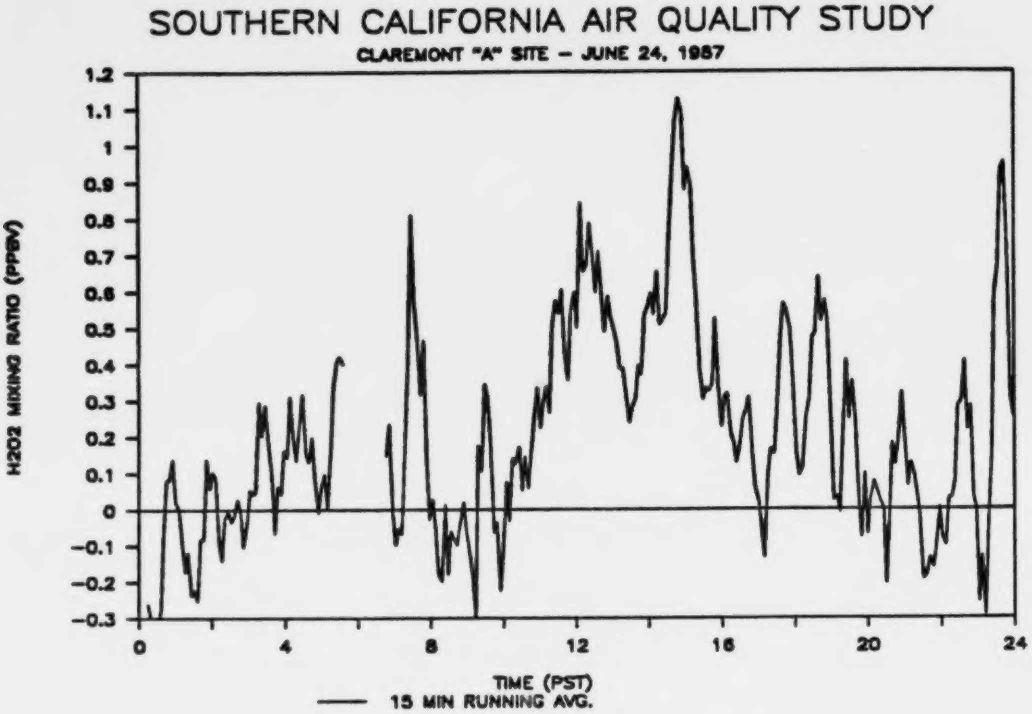
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
04:28:07	0.54	0.06	
04:33:08	0.46	-0.08	
04:38:08	0.44	-0.11	
04:43:09	0.46	0.04	
04:48:09	0.54	-0.09	
04:53:12	0.47	-0.10	
04:58:13	0.46	0.02	
05:03:11	0.32	0.04	
05:08:12	0.16	-0.09	
05:13:13	0.08	0.07	
05:18:17	0.01	-0.07	
05:23:17	-0.07	0.12	
05:28:18	0.05	0.08	
05:33:19	-0.01	0.12	
05:38:30	-0.12	0.09	
05:43:31	0.00	0.22	
05:48:31	-0.00	0.01	
05:53:32	-0.01	0.09	
05:58:33	-0.05	-0.03	
06:03:33	0.06	-0.07	
06:08:34	0.12	-0.06	
06:13:37	0.31	-0.10	
06:18:37	0.38	-0.11	
06:23:38	0.55	-0.00	
06:28:38	0.60	-0.02	
06:33:39	0.57	-0.05	
06:38:40	0.62	-0.05	
06:43:40	0.63	-0.02	
06:48:41	0.56	0.01	
06:53:41	0.38	0.08	
06:58:42	0.25	0.07	
07:03:43	0.04	0.11	
07:08:45	0.01	0.03	
07:13:46			
07:18:46			
07:32:47			CALIBRATION
07:49:49			
07:54:50			
07:59:50	-0.04	-0.18	
08:04:50	-0.03	0.01	
08:09:47	0.09	0.04	
08:14:46	0.13	-0.06	
08:19:44	-0.03	0.01	
08:24:43	-0.15	0.14	
08:29:42	-0.25	-0.01	
08:34:40	-0.28	0.04	
08:39:39	-0.28	0.04	
08:44:37	-0.24	-0.09	
08:49:36	-0.21	0.04	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
08:54:42	-0.10	0.04	
08:59:40	-0.01	-0.01	
09:04:39	-0.02	-0.05	
09:09:36	-0.06	-0.05	
09:14:34	0.18	0.04	
09:19:33	0.30	0.03	
09:24:32	0.31	0.03	
09:29:37	0.45	0.03	
09:34:35	0.63	0.19	
09:39:32	0.50	-0.10	
09:44:31	0.26	-0.16	
09:49:30	0.27	0.10	
09:54:38	0.22	-0.10	
09:59:37	0.01	-0.15	
10:04:36	-0.09	-0.15	
10:09:34	-0.01	-0.04	
10:14:31	-0.18	-0.05	
10:19:30	-0.21	-0.05	
10:24:28	-0.09	0.10	
10:29:26	0.10	0.17	
10:34:25	0.31	0.10	
10:39:24	0.41	-0.09	
10:44:22	0.49	0.19	
10:49:21	0.59	0.06	
10:54:20	0.64	0.02	
10:59:19	0.58	-0.01	
11:04:17	0.61	0.09	
11:09:16	0.70	0.08	
11:14:14	0.80	-0.05	
11:19:13	0.65	0.07	
11:24:12	0.55	0.12	
11:29:16	0.41	-0.02	
11:34:22	0.29	-0.02	
11:39:20	0.17	0.05	
11:44:19	0.25	-0.14	
11:49:17	0.23	-0.14	
11:54:17	0.28	-0.05	
11:59:15	0.31	-0.13	
12:04:24	0.36	-0.09	
12:09:23	0.33	0.05	
12:14:22	0.35	0.01	
12:19:19	0.57	0.17	
12:24:19	0.68	0.16	
12:29:19	0.70	0.12	
12:34:18	0.76	0.02	
12:39:16	0.76	0.02	
12:44:15	0.66	-0.08	
12:49:21	0.47	-0.06	
12:54:20	0.51	-0.06	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
12:59:18	0.34	-0.01	
13:04:17	0.49	0.11	
13:09:16	0.40	-0.08	
13:14:15	0.35	0.06	
13:19:14	0.24	-0.11	
13:24:12	0.30	-0.03	
13:29:11	0.15	-0.17	
13:34:09	0.07	0.08	
13:39:06	0.18	-0.04	
13:44:04	0.21	0.08	
13:49:03	0.21	-0.03	
13:54:02	0.28	0.12	
13:59:00	0.30	-0.18	
14:03:59	0.22	0.08	
14:08:58	0.21	-0.06	
14:13:56	0.18	0.08	
14:19:03	0.09	-0.15	
14:24:02	0.09	0.13	
14:29:00	0.17	-0.10	
14:33:59	0.14	0.07	
14:38:58	0.18	0.08	
14:43:56	0.28	0.14	
14:48:55	0.35	0.05	
14:53:54	0.30	0.07	
14:58:52	0.20	0.01	
15:03:49	0.15	-0.02	
15:08:48	0.12	-0.02	
15:13:46	0.08	-0.07	
15:18:45	0.08	0.05	
15:23:43	0.15	0.01	
15:28:42	0.19	-0.02	
15:33:40	0.30	0.07	
15:38:37	0.22	-0.03	
15:43:36	0.24	-0.08	
15:48:34	0.28	0.02	
15:53:32	0.37	-0.02	
15:58:31	0.22	-0.12	
16:03:29	0.30	-0.04	
16:08:28	0.35	-0.05	
16:13:27	0.31	-0.22	
16:18:24	0.16	-0.11	
16:23:23	0.31	0.06	
16:28:35	0.33	-0.08	
16:33:33	0.24	-0.18	
16:38:31	0.17	0.02	
16:43:30	0.16	0.16	
16:48:29	0.08	0.04	
16:53:28	0.22	0.23	
16:58:28	0.34	0.21	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
17:03:24	0.47	0.11	
17:08:23	0.48	-0.15	
17:13:22	0.54	-0.12	
17:18:24	0.39	0.00	
17:23:21	0.36	-0.14	
17:28:20	0.20	-0.00	
17:33:19	0.25	0.12	
17:38:18	0.24	0.05	
17:43:22	0.27	-0.03	
17:48:21	0.29	0.08	
17:53:21	0.33	-0.04	
17:58:20	0.24	-0.13	
18:03:21	0.14	-0.07	
18:08:20	0.13	-0.01	
18:13:19		0.09	
18:18:18		0.09	
18:23:17		0.01	CALIBRATION
18:28:16		-0.08	SPIKE
18:33:15		0.04	
18:38:14		-0.08	
18:43:22		-0.10	
18:48:21		0.04	
18:53:20		0.05	
18:58:19		-0.16	
19:03:18	0.44	0.13	
19:08:25	0.74	0.17	
19:13:24	0.79	0.07	
19:18:22	1.02	0.11	
19:23:21	1.06	0.13	
19:28:20	1.09	-0.24	
19:33:19	0.70	-0.17	
19:38:18	0.47	-0.12	
19:43:19	0.18	-0.11	
19:48:16	0.11	-0.04	
19:53:15	0.07	-0.01	
19:58:14	0.23	0.05	
20:03:13	0.21	0.00	
20:08:10	0.[illegible]5	0.04	
20:13:09	0.18	-0.08	
20:18:07	-0.04	-0.04	
20:23:06	-0.24	-0.08	
20:28:11	-0.23	0.08	
20:33:10	-0.09	0.13	
20:38:07	0.08	0.15	
20:43:06	0.22	0.15	
20:48:05	0.54	0.15	
20:53:36	0.71	0.02	
20:58:33	0.55	-0.16	
21:03:32	0.31	-0.05	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
21:08:31	0.33	-0.03	
21:13:30	0.14	-0.02	
21:18:29	0.02	0.05	
21:23:26	0.07	-0.01	
21:28:25	0.16	-0.07	
21:33:24	-0.01	-0.11	
21:38:23	-0.01	-0.18	
21:43:27	-0.17	-0.16	
21:48:26	-0.09	0.03	
21:53:23	-0.03	-0.02	
21:58:22	0.08	0.12	
22:03:19	0.20	0.13	
22:08:18	0.35	0.11	
22:13:17	0.20	0.09	
22:18:16	0.07	0.13	
22:23:15	0.09	0.07	
22:28:13	0.11	0.06	
22:33:10	-0.05	-0.14	
22:38:09	-0.00	-0.05	
22:43:11	0.01	-0.10	
22:48:08	-0.03	-0.13	
22:53:07	-0.18	-0.19	
22:58:05	-0.03	0.07	
23:03:02	0.10	-0.01	
23:08:01	0.15	0.01	
23:12:58	0.18	-0.01	
23:17:56	0.23	0.10	
23:33:13	0.07	-0.20	
23:48:29	-0.05	-0.01	
23:53:26	0.20	0.11	
23:58:33	0.16	0.15	
00:03:39	0.26	0.05	
00:08:38	0.54	0.37	
00:13:37	0.62	0.11	
00:18:37	0.55	0.04	
00:23:39	0.66	-0.15	
00:28:41	0.57	0.07	
00:33:41	0.51	0.01	
00:38:41	0.46	0.03	
00:43:40	0.38	-0.15	
00:48:41	0.41	0.18	
00:53:41			
00:58:40			


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 24, 1987
H2O2 MIXING RATIO (PPBV)
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
0
4
8
12
16
20
24
TIME (PST)
15 MIN RUNNING AVG.

PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 24, 1987
JULIAN DATE: 175

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
07:50:31			CALIBRATION
01:04:46			
01:09:56			
01:14:58	-0.26	-0.07	
01:20:01	-0.31	0.04	
01:25:07	-0.37	-0.02	
01:30:19	-0.34	-0.08	
01:35:21	-0.28	-0.12	
01:40:26	-0.06	0.05	
01:45:28	0.08	0.02	
01:50:31	0.08	0.20	
01:55:33	0.14	-0.05	
02:00:35	0.02	0.03	
02:05:42	0.00	0.05	
02:10:43	-0.10	-0.07	
02:15:47	-0.17	-0.17	
02:20:50	-0.12	0.21	
02:25:53	-0.24	0.05	
02:30:56	-0.22	0.01	
02:35:58	-0.25	0.16	
02:41:02	-0.08	0.17	
02:46:04	-0.08	0.09	
02:51:07	0.14	-0.01	
02:56:10	0.06	-0.05	
03:01:12	0.10	0.01	
03:06:16	0.09	-0.02	
03:11:17	-0.09	-0.15	
03:16:22	-0.14	-0.03	
03:21:25	-0.03	0.08	
03:26:27	-0.00	0.01	
03:31:35	-0.03	-0.12	
03:36:39	-0.02	0.05	
03:41:41	0.03	0.05	
03:46:53	-0.00	-0.05	
03:51:55	-0.10	-0.08	
03:56:58	-0.04	0.07	
04:02:03	0.05	0.02	
04:07:07	0.04	-0.03	
04:12:12	0.05	0.08	
04:17:18	0.29	-0.09	
04:22:24	0.20	-0.04	

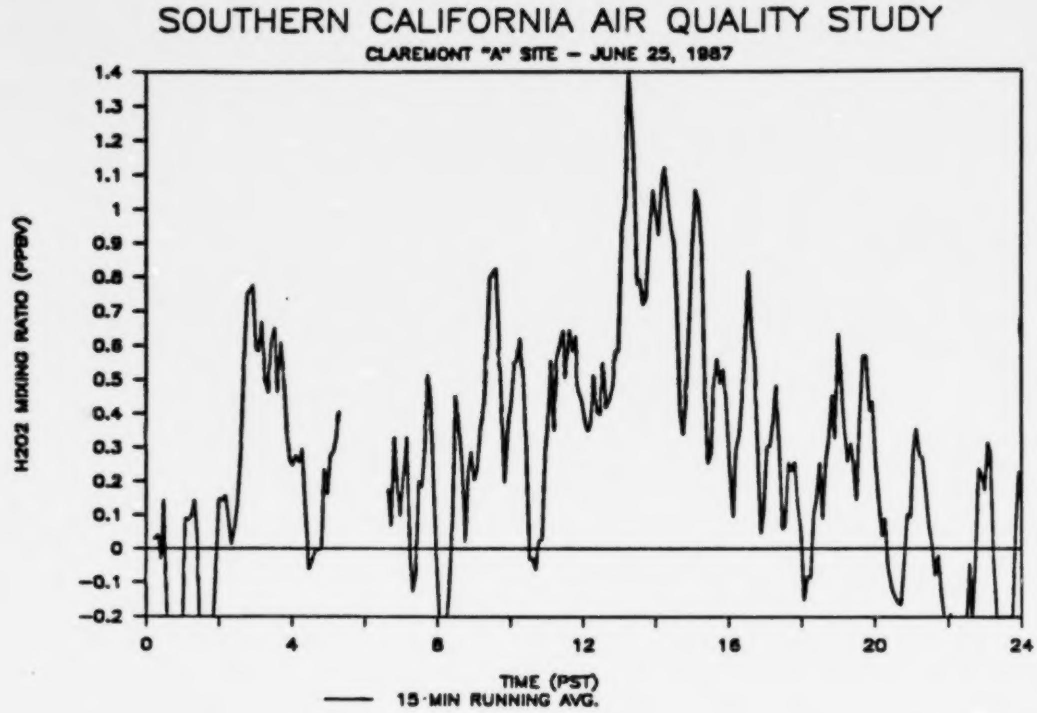
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
04:27:36	0.29	-0.02	
04:32:42	0.17	-0.11	
04:37:48	0.11	-0.12	
04:43:01	-0.07	0.08	
04:48:06	0.06	0.04	
04:53:16	0.04	-0.04	
04:58:22	0.16	0.03	
05:03:28	0.14	0.09	
05:08:32	0.31	0.04	
05:13:37	0.19	-0.07	
05:18:48	0.14	0.06	
05:23:52	0.22	0.16	
05:29:02	0.32	-0.12	
05:34:07	0.15	-0.16	
05:39:13	0.13	0.01	
05:44:19	0.20	0.02	
05:49:23	0.08	-0.12	
05:54:28	-0.01	0.09	
05:59:45	0.06	0.11	
06:04:51	0.10	0.06	
06:09:55	0.01	-0.14	
06:15:00	0.16	0.10	
06:20:06	0.33	0.03	
06:25:12	0.41	-0.10	
06:30:20	0.42	-0.04	
06:35:26	0.40	0.14	
06:40:41			
06:45:46			CALIBRATION
07:28:57			
07:36:40			
07:41:46			
07:46:52	0.15	0.04	
07:51:56	0.23	-0.01	
07:57:01	-0.01	-0.26	
08:02:06	-0.10	0.16	
08:07:11	-0.05	0.01	
08:12:14	-0.07	0.04	
08:17:19	0.19	0.13	
08:22:25	0.38	0.25	
08:27:28	0.81	0.00	
08:32:32	0.58	-0.20	
08:37:37	0.49	-0.01	
08:42:40	0.32	0.20	
08:47:45	0.46	-0.12	
08:52:49	0.15	-0.16	
08:57:54	-0.03	0.08	
09:02:57	0.03	0.17	
09:08:00	-0.05	-0.23	
09:13:04	-0.18	-0.09	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
09:18:08	-0.20	0.16	
09:23:10	0.01	0.08	
09:28:15	-0.18	-0.20	
09:33:18	-0.06	0.08	
09:38:21	-0.08	0.03	
09:43:34	-0.10	0.06	
09:48:37	-0.03	0.09	
09:53:40	0.02	-0.01	
09:58:45	-0.06	-0.04	
10:03:48	-0.12	-0.04	
10:08:51	-0.19	-0.14	
10:13:54	-0.30	0.05	
10:18:58	0.17	0.18	
10:24:01	0.11	-0.05	
10:29:05	0.34	0.17	
10:34:07	0.30	-0.05	
10:39:10	0.18	0.05	
10:44:12	-0.06	0.05	
10:49:15	-0.04	-0.21	
10:54:17	-0.22	-0.02	
10:59:20	-0.12	0.22	
11:04:28	0.08	-0.30	
11:09:30	-0.03	0.12	
11:14:33	0.14	0.19	
11:19:36	0.12	-0.02	
11:25:50	0.17	-0.10	
11:30:52	0.05	0.04	
11:35:56	0.14	-0.19	
11:40:57	0.06	-0.16	
11:46:01	0.15	-0.11	
11:51:02	0.26	-0.10	
11:56:14	0.33	0.12	
12:01:16	0.22	-0.09	
12:06:19	0.30	0.18	
12:11:22	0.34	-0.07	
12:16:25	0.27	0.03	
12:21:27	0.50	-0.05	
12:26:30	0.57	0.10	
12:31:32	0.54	0.04	
12:36:35	0.60	0.04	
12:41:37	0.42	-0.06	
12:46:40	0.35	0.16	
12:51:44	0.55	-0.09	
12:56:47	0.59	-0.07	
13:01:54	0.50	0.26	
13:06:56	0.84	0.12	
13:11:59	0.65	-0.10	
13:17:01	0.67	0.14	
13:22:04	0.79	0.21	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
13:27:06	0.71	-0.13	
13:32:09	0.60	0.08	
13:37:12	0.71	0.07	
13:42:17	0.58	0.04	
13:47:20	0.49	-0.11	
13:52:26	0.58	0.05	
13:57:28	0.53	-0.10	
14:02:31	0.49	-0.05	
14:07:44	0.45	-0.09	
14:12:46	0.39	-0.01	
14:17:49	0.39	-0.15	
14:22:52	0.31	-0.09	
14:27:54	0.24	0.07	
14:32:57	0.28	0.02	
14:38:02	0.30	0.02	
14:43:04	0.39	0.18	
14:48:07	0.37	-0.03	
14:53:09	0.53	-0.06	
14:58:13	0.55	-0.05	
15:03:15	0.59	-0.08	
15:08:17	0.54	-0.16	
15:13:20	0.65	-0.03	
15:18:25	0.51	0.02	
15:23:28	0.52	0.02	
15:28:31	0.54	0.26	
15:33:33	0.77	0.27	
15:38:36	0.92	0.32	
15:43:38	1.06	0.12	
15:48:41	1.13	0.02	
15:53:43	1.09	-0.21	
15:58:46	0.88	-0.12	
16:03:49	0.94	-0.09	
16:08:51	0.89	-0.14	
16:13:55	0.69	0.04	
16:18:57	0.58	-0.05	
16:24:09	0.39	0.01	
16:29:11	0.30	-0.04	
16:34:19	0.33	-0.08	
16:39:21	0.32	-0.11	
16:44:23	0.34	0.02	
16:49:25	0.52	-0.18	
16:54:37	0.34	-0.16	
16:59:41	0.23	0.04	
17:04:43	0.31	0.16	
17:09:45	0.32	0.09	
17:14:48	0.21	0.15	
17:19:51	0.18	-0.04	
17:24:54	0.13	-0.11	
17:29:55	0.17	-0.05	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
17:34:58	0.25	-0.15	
17:40:01	0.27	-0.20	
17:45:04	0.31	0.18	
17:50:06	0.15	0.10	
17:55:10	0.06	-0.04	
18:00:12	0.02	0.00	
18:05:14	-0.05	0.20	
18:10:16	-0.13	-0.11	
18:15:20	0.09	0.02	
18:20:22	0.16	0.02	
18:26:35	0.15	0.09	
18:31:42	0.31	0.05	
18:36:55	0.47	0.21	
18:41:57	0.56	-0.03	
18:47:01	0.54	-0.16	
18:52:03	0.49	-0.06	
18:57:05	0.36	-0.23	
19:02:09	0.15	-0.22	
19:07:12	0.09	0.06	
19:13:25	0.11	0.12	
19:18:27	0.25	0.08	
19:23:34	0.30	0.10	
19:28:38	0.47	0.09	
19:33:40	0.48	0.11	
19:38:42	0.64	0.02	
19:43:44	0.52	-0.01	
19:48:49	0.57	-0.03	
19:53:50	0.52	-0.27	
19:58:55	0.30	-0.14	
20:03:57	0.03	-0.16	
20:09:01	0.04	-0.05	
20:14:03	-0.01	0.05	
20:19:08	0.21	0.38	
20:24:10	0.41	-0.06	
20:29:14	0.25	0.09	
20:34:24	0.35	-0.01	
20:39:26	0.25	-0.11	
20:44:28	0.03	-0.25	
20:49:41	-0.07	0.00	
20:54:43	0.10	0.06	
20:59:47	-0.07	-0.13	
21:04:49	0.03	0.02	
21:09:54	0.08	0.14	
21:14:55	0.05	-0.06	
21:19:58	0.02	-0.07	
21:25:01	0.00	0.00	
21:30:04	-0.20	0.18	
21:35:05	-0.03	0.09	
21:40:08	0.18	0.08	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
21:45:11	0.12	0.21	
21:50:14	0.20	0.24	
21:55:18	0.32	-0.14	
22:00:20	0.18	-0.12	
22:05:27	0.07	0.12	
22:10:29	0.13	-0.07	
22:15:33	0.10	-0.03	
22:20:35	0.04	-0.01	
22:25:37	-0.02	-0.02	
22:30:45	-0.19	-0.05	
22:35:49	-0.18	-0.21	
22:42:03	-0.13	-0.09	
22:47:07	-0.16	0.02	
22:52:09	-0.10	0.13	
22:57:11	0.01	0.03	
23:02:23	-0.08	0.07	
23:07:25	-0.10	0.03	
23:12:28	0.03	0.01	
23:17:32	0.03	0.10	
23:22:34	0.08	0.00	
23:27:38	0.28	0.16	
23:32:42	0.29	0.04	
23:37:47	0.41	0.05	
23:42:50	0.22	-0.29	
23:47:56	0.28	-0.10	
23:53:01	0.03	-0.16	
23:58:05	0.00	0.07	
00:02:28	-0.25	-0.14	
00:07:33	-0.13	0.14	
00:12:37	-0.29	0.02	
00:17:39	-0.01	0.11	
00:22:44	0.14	-0.13	
00:27:49	0.59	0.28	
00:32:54	0.67	0.08	
00:37:56	0.93	0.07	
00:43:01	0.95	0.10	
00:48:03	0.75	-0.04	
00:53:11	0.31	-0.42	
00:58:15	0.25	-0.45	


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 25, 1987
H2O2 MIXING RATIO (PPBV)
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
–0.1
–0.2
0
4
8
12
16
20
24
TIME (PST)
15-MIN RUNNING AVG.

```
PROGRAM NAME:       SCAQS
ORGANIZATION:       UNISEARCH ASSOCIATES
SITE NAME:          CLAREMONT "A"
SAMPLER:            TDLAS
SPECIES:            H2O2
DATE:               JUNE 25, 1987
JULIAN DATE:             176

            H2O2      MDL
  START    15 MIN   15 MIN   COMMENTS
  TIME    RUNNING  RUNNING
  (PDT)   AVERAGE  AVERAGE
-------------------------------------
07:28:57                     CALIBRATION
01:03:17
01:08:21
01:13:33    0.03     0.04
01:18:38    0.04    -0.09
01:23:41   -0.03    -0.08
01:28:44    0.14    -0.05
01:33:48   -0.20    -0.25
01:38:52   -0.30    -0.02
01:43:55   -0.30     0.00
01:48:58   -0.36     0.06
01:54:00   -0.53     0.04
01:59:05   -0.26     0.23
02:04:08    0.09    -0.02
02:09:12    0.09     0.16
02:14:13    0.10     0.14
02:19:18    0.14    -0.08
02:24:27    0.02    -0.10
02:29:31   -0.37    -0.14
02:34:33   -0.43    -0.16
02:39:38   -0.28    -0.04
02:44:39   -0.23     0.17
02:49:43   -0.21     0.03
02:54:45   -0.05     0.27
02:59:48    0.15     0.01
03:04:51    0.14    -0.07
03:09:53    0.16    -0.16
03:14:58    0.09     0.06
03:20:02    0.01    -0.05
03:25:04    0.06     0.12
03:30:15    0.13     0.15
03:35:22    0.28    -0.02
03:40:25    0.51     0.00
03:45:27    0.75     0.04
03:50:30    0.76     0.07
03:55:32    0.78    -0.02
04:00:35    0.59     0.05
04:05:41    0.59     0.07
04:10:47    0.67    -0.04
04:15:53    0.49    -0.17
04:20:57    0.46    -0.03
```

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
04:26:03	0.61	0.04	
04:31:08	0.65	-0.07	
04:36:14	0.46	0.12	
04:41:16	0.61	0.17	
04:46:22	0.52	-0.28	
04:51:27	0.35	0.11	
04:56:35	0.27	0.09	
05:01:41	0.25	-0.13	
05:06:47	0.28	-0.08	
05:12:01	0.26	0.06	
05:17:07	0.30	-0.06	
05:22:13	0.15	-0.32	
05:27:19	-0.06	-0.04	
05:32:36	-0.04	0.06	
05:37:41	-0.01	0.11	
05:42:58	-0.00	-0.00	
05:48:04	-0.00	0.15	
05:53:10	0.23	-0.00	
05:58:14	0.16	-0.03	
06:03:19	0.27	0.02	
06:08:25	0.29	-0.16	
06:13:31	0.33	0.04	
06:18:33	0.40	0.01	
06:23:41			
06:28:46			
07:21:34			CALIBRATION
07:28:20			
07:33:26			
07:38:30	0.17	0.05	
07:43:37	0.07	0.08	
07:48:41	0.33	-0.05	
07:53:47	0.19	0.00	
07:58:53	0.10	0.01	
08:03:58	0.21	-0.12	
08:09:01	0.33	-0.03	
08:14:04	0.02	0.11	
08:19:07	-0.13	0.14	
08:24:12	-0.07	0.11	
08:29:14	0.20	0.39	
08:34:18	0.18	-0.11	
08:39:20	0.30	-0.17	
08:44:25	0.51	-0.29	
08:49:26	0.43	-0.15	
08:54:31	0.12	-0.15	
08:59:34	-0.09	-0.15	
09:04:37	-0.37	-0.13	
09:09:39	-0.48	0.26	
09:14:42	-0.25	0.33	
09:19:44	-0.09	0.03	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
09:24:47	0.09	0.27	
09:30:04	0.45	0.23	
09:35:16	0.38	-0.13	
09:40:18	0.26	-0.27	
09:45:21	0.02	-0.08	
09:50:28	0.22	0.17	
09:55:30	0.29	-0.31	
10:00:33	0.20	-0.10	
10:05:36	0.23	0.03	
10:10:40	0.36	-0.17	
10:15:43	0.39	-0.05	
10:20:46	0.54	0.12	
10:25:49	0.80	0.02	
10:30:51	0.81	-0.05	
10:35:56	0.82	0.14	
10:40:59	0.64	-0.15	
10:46:02	0.40	-0.08	
10:51:05	0.20	-0.03	
10:56:07	0.34	0.13	
11:01:10	0.42	0.07	
11:06:12	0.55	0.10	
11:11:15	0.55	0.12	
11:16:18	0.62	0.00	
11:21:22	0.50	-0.13	
11:26:25	0.32	-0.16	
11:31:28	-0.03	-0.05	
11:36:30	-0.03	-0.08	
11:41:47	-0.06	-0.00	
11:47:04	0.02	0.11	
11:52:05	0.03	0.05	
11:57:09	0.29	-0.08	
12:02:12	0.38	0.09	
12:07:15	0.55	0.14	
12:12:18	0.35	0.01	
12:17:23	0.55	0.12	
12:22:26	0.61	0.13	
12:27:31	0.64	-0.04	
12:32:32	0.50	-0.06	
12:37:38	0.64	0.02	
12:42:48	0.58	-0.00	
12:47:52	0.63	0.06	
12:52:55	0.47	0.13	
12:57:58	0.44	0.07	
13:03:03	0.37	0.02	
13:08:06	0.35	-0.07	
13:13:09	0.37	-0.05	
13:18:11	0.51	-0.22	
13:23:15	0.40	-0.14	
13:28:19	0.40	0.04	

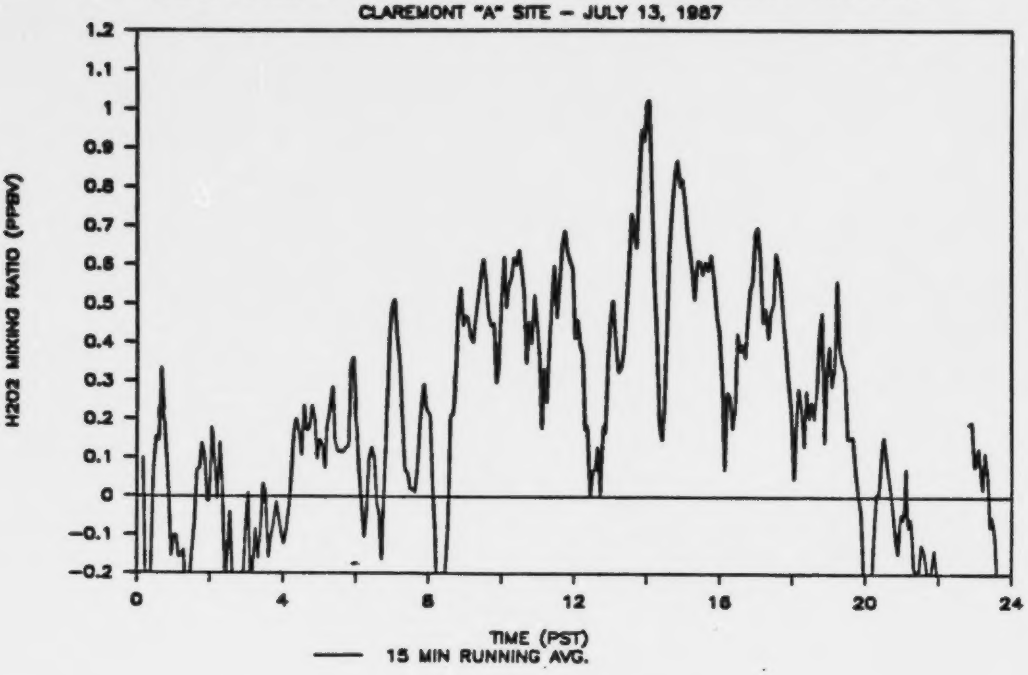
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
13:33:29	0.55	-0.07	
13:38:32	0.42	-0.05	
13:43:35	0.44	0.15	
13:48:37	0.48	-0.09	
13:53:43	0.58	-0.27	
13:58:46	0.58	0.21	
14:03:58	0.95	0.16	
14:09:01	1.01	0.02	
14:14:04	1.40	0.24	
14:19:07	1.27	0.05	
14:24:12	1.10	-0.28	
14:29:15	0.78	-0.09	
14:34:18	0.79	0.14	
14:39:20	0.72	-0.00	
14:44:23	0.74	0.08	
14:49:26	0.93	0.25	
14:54:30	1.05	0.04	
14:59:33	0.99	-0.11	
15:04:36	0.92	0.08	
15:09:39	1.08	0.10	
15:14:41	1.12	0.04	
15:19:48	1.02	0.01	
15:24:50	0.95	0.01	
15:29:56	0.90	-0.17	
15:34:58	0.73	-0.13	
15:40:01	0.41	-0.16	
15:45:04	0.34	-0.11	
15:50:08	0.42	0.13	
15:55:11	0.66	0.13	
16:00:14	0.89	0.05	
16:05:16	1.05	-0.06	
16:10:19	1.02	-0.05	
16:15:34	0.89	-0.23	
16:20:38	0.52	-0.08	
16:25:40	0.25	-0.02	
16:30:50	0.28	0.11	
16:35:54	0.49	0.21	
16:40:57	0.56	0.10	
16:45:59	0.49	-0.09	
16:51:03	0.53	0.01	
16:56:05	0.45	-0.14	
17:01:09	0.26	-0.20	
17:07:25	0.09	-0.15	
17:12:27	0.29	0.07	
17:17:35	0.34	0.03	
17:22:36	0.45	0.13	
17:27:39	0.60	0.11	
17:32:43	0.81	0.14	
17:37:47	0.63	-0.08	

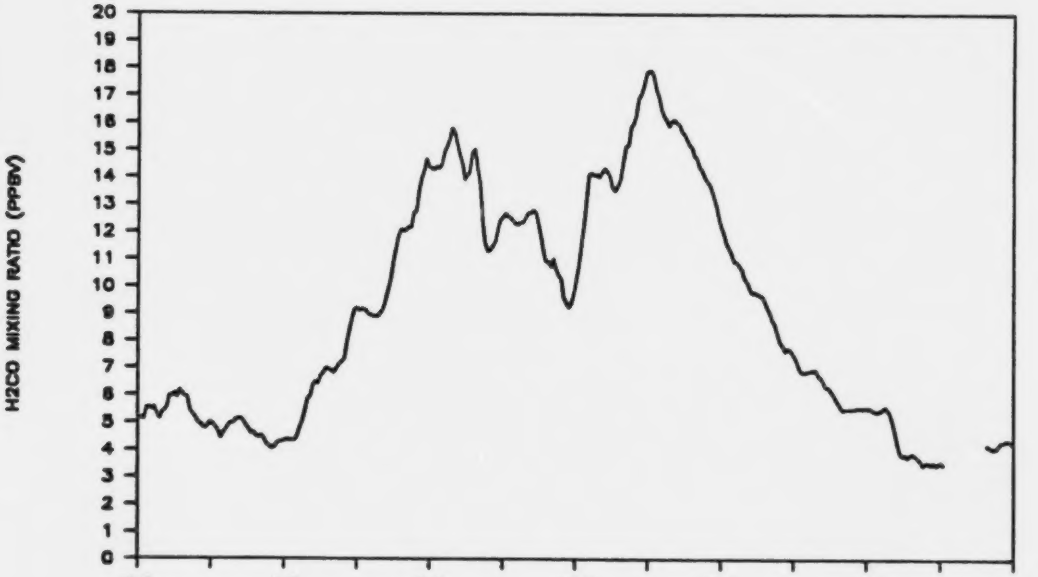
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
17:42:49	0.56	-0.10	
17:47:54	0.31	-0.10	
17:52:56	0.05	-0.08	
17:58:00	0.11	-0.01	
18:03:04	0.30	0.06	
18:08:09	0.30	0.10	
18:13:14	0.38	0.12	
18:18:16	0.48	0.08	
18:23:20	0.28	-0.24	
18:28:35	0.06	-0.04	
18:33:38	0.07	-0.05	
18:38:42	0.25	0.08	
18:43:47	0.23	-0.09	
18:48:57	0.25	0.01	
18:54:01	0.13	-0.08	
18:59:04	0.05	-0.03	
19:04:08	-0.15	-0.10	
19:09:12	-0.08	0.02	
19:14:15	-0.09	0.12	
19:19:19	0.10	-0.07	
19:24:23	0.14	-0.07	
19:29:25	0.25	-0.11	
19:34:30	0.09	-0.01	
19:39:34	0.26	0.23	
19:44:37	0.32	0.18	
19:49:41	0.45	0.07	
19:54:45	0.33	-0.06	
19:59:47	0.63	0.12	
20:04:51	0.50	-0.23	
20:09:59	0.37	-0.05	
20:15:03	0.26	-0.02	
20:20:05	0.31	0.10	
20:25:10	0.24	-0.18	
20:30:14	0.15	-0.01	
20:35:16	0.40	0.10	
20:40:19	0.57	0.14	
20:45:31	0.57	0.12	
20:50:38	0.41	0.03	
20:55:40	0.43	0.04	
21:00:42	0.27	-0.10	
21:05:54	0.14	-0.07	
21:11:02	0.04	-0.03	
21:16:06	0.09	0.08	
21:21:09	-0.05	-0.08	
21:27:22	-0.12	0.05	
21:32:26	-0.14	-0.00	
21:37:28	-0.16	-0.14	
21:42:32	-0.16	-0.04	
21:47:35	-0.03	0.15	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	COMMENTS
21:52:37	0.10	0.09	
21:57:41	0.09	0.04	
22:02:46	0.29	0.12	
22:07:48	0.35	0.14	
22:12:52	0.27	-0.07	
22:17:54	0.27	-0.07	
22:22:58	0.17	-0.13	
22:28:00	0.07	-0.14	
22:33:04	0.01	-0.12	
22:38:07	-0.08	-0.07	
22:43:11	-0.02	-0.04	
22:48:18	-0.13	0.15	
22:53:21	-0.20	-0.06	
22:58:33	-0.24	0.00	
23:03:38	-0.19	0.06	
23:08:42	-0.50	0.04	
23:13:46	-0.22	-0.02	
23:18:49	-0.30	0.19	
23:23:53	-0.39	0.02	
23:28:58	-0.25	0.04	
23:34:02	-0.05	-0.08	
23:39:10	-0.22	-0.11	
23:44:14	-0.05	-0.09	
23:49:18	0.23	-0.07	
23:54:21	0.22	-0.14	
23:59:25	0.17	0.06	
00:04:10	0.31	0.04	
00:09:14	0.28	-0.17	
00:14:17	-0.02	-0.17	
00:19:22	-0.20	0.06	
00:24:26	-0.29	-0.13	
00:29:31	-0.53	-0.05	
00:34:35	-0.51	0.19	
00:39:39	-0.34	0.14	
00:44:51	-0.20	-0.05	
00:49:55	0.05	0.12	
00:54:58	0.22	0.17	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 13, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H_2O_2, H_2CO
DATE: JULY 13, 1987
JULIAN DATE: 194

START TIME (PDT)	H_2O_2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H_2CO 15 MIN RUNNING AVERAGE	H_2CO LINEAR CORREL. COEFF.	COMMENTS
23:10:57					CALIBRATION
01:01:47			5.15	1.00	
01:05:57			5.16	0.99	
01:10:09	0.10	0.10	5.10	0.99	
01:14:23	-0.27	-0.10	5.54	1.00	
01:18:39	-0.39	-0.08	5.54	0.99	
01:22:52	-0.19	0.17	5.46	0.98	
01:27:02	0.07	0.21	5.58	1.00	
01:31:12	0.15	0.01	5.28	0.99	
01:35:23	0.14	0.21	5.13	0.99	
01:39:33	0.33	0.13	5.36	1.00	
01:43:43	0.24	-0.08	5.42	0.99	
01:47:53	0.12	-0.13	5.55	1.00	
01:52:04	0.02	-0.02	5.97	1.00	
01:56:15	-0.15	-0.17	5.96	0.99	
02:00:24	-0.10	0.11	6.06	0.99	
02:04:35	-0.10	0.07	5.93	1.00	
02:08:45	-0.16	0.08	6.17	1.00	
02:13:03	-0.15	0.07	6.05	0.99	
02:17:14	-0.14	0.11	5.95	1.00	
02:21:25	-0.33	-0.12	5.92	0.99	
02:25:36	-0.28	-0.01	5.39	0.99	
02:29:47	-0.15	0.02	5.32	0.99	
02:33:57	-0.07	0.07	5.18	0.99	
02:38:07	0.07	0.07	5.00	0.98	
02:42:19	0.07	-0.01	4.95	0.99	
02:46:30	0.14	0.11	4.83	0.99	
02:50:52	0.10	-0.05	4.79	0.99	
02:55:03	-0.01	-0.03	4.89	1.00	
02:59:13	-0.01	-0.12	5.01	0.99	
03:03:33	0.18	0.07	4.93	0.99	
03:07:42	0.08	-0.21	4.81	0.99	
03:11:52	-0.01	-0.04	4.70	0.99	
03:16:02	0.14	-0.15	4.43	0.99	
03:20:12	0.03	0.07	4.60	0.99	
03:24:24	-0.24	-0.04	4.75	1.00	
03:28:35	-0.16	0.17	4.87	1.00	
03:32:47	-0.04	0.04	4.96	1.00	
03:36:57	-0.19	0.01	4.96	1.00	
03:41:07	-0.39	-0.11	5.10	0.99	
03:45:18	-0.21	-0.07	5.13	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
03:49:29	-0.33	-0.11	5.14	1.00	
03:53:42	-0.27	0.06	4.98	0.99	
03:57:52	-0.09	-0.04	4.88	0.99	
04:02:05	0.01	-0.14	4.72	1.00	
04:06:18	-0.21	-0.01	4.60	0.99	
04:10:30	-0.20	-0.04	4.64	0.99	
04:14:41	-0.08	0.01	4.49	0.99	
04:18:54	-0.16	0.15	4.46	1.00	
04:23:06	-0.09	0.12	4.51	0.98	
04:27:17	0.03	-0.07	4.39	1.00	
04:31:30	0.01	-0.02	4.22	1.00	
04:35:48	-0.16	-0.09	4.13	0.99	
04:40:01	-0.11	-0.07	4.06	0.99	
04:44:23	-0.07	0.15	4.10	0.99	
04:48:35	-0.01	0.18	4.26	0.99	
04:52:46	-0.05	0.04	4.29	0.99	
04:56:59	-0.10	0.15	4.30	0.99	
05:01:11	-0.12	-0.08	4.33	0.99	
05:05:22	-0.08	-0.21	4.37	0.99	
05:09:35	-0.02	-0.14	4.33	0.99	
05:13:48	0.07	-0.08	4.34	0.99	
05:18:00	0.17	-0.15	4.36	1.00	
05:22:11	0.20	0.08	4.47	0.99	
05:26:26	0.17	0.11	4.84	0.99	
05:30:38	0.11	0.17	5.08	0.99	
05:34:51	0.23	0.16	5.41	0.99	
05:39:04	0.17	0.05	5.87	0.99	
05:43:24	0.18	0.06	5.96	0.99	
05:47:40	0.23	0.01	6.38	0.98	
05:52:00	0.20	-0.22	6.49	0.98	
05:56:13	0.10	-0.12	6.42	0.98	
06:00:25	0.15	-0.04	6.72	0.99	
06:04:38	0.13	0.00	6.82	0.99	
06:08:51	0.08	0.03	7.00	1.00	
06:13:03	0.19	0.19	6.99	0.99	
06:17:16	0.23	0.11	6.93	0.99	
06:21:29	0.28	-0.04	6.83	0.99	
06:25:41	0.14	-0.13	6.96	0.99	
06:29:54	0.12	-0.02	7.12	1.00	
06:39:13	0.12	-0.10	7.33	0.99	
06:43:25	0.13	-0.03	7.90	0.99	
06:47:38	0.13	0.12	8.39	0.99	
06:51:51	0.34	0.12	8.79	0.98	
06:56:03	0.36	-0.13	9.16	0.98	
07:00:16	0.23	-0.07	9.22	0.99	
07:04:29	0.08	-0.01	9.12	0.99	
07:08:49	-0.02	-0.04	9.18	0.99	
07:13:01	-0.10	0.05	9.17	0.99	
07:17:14	-0.04	0.12	9.02	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
07:21:27	0.10	0.11	8.97	0.99	
07:25:39	0.13	-0.13	8.91	0.99	
07:29:52	0.10	-0.02	8.91	0.99	
07:34:05	-0.02	-0.08	8.89	0.98	
07:38:17	-0.04	-0.10	9.01	0.98	
07:42:30	-0.16	0.11	9.15	0.98	
07:46:43	0.03	0.21	9.45	0.99	
07:50:55	0.20	0.30	9.85	0.99	
07:55:10	0.43	0.02	10.30	0.99	
07:59:23	0.49	0.15	10.87	0.99	
08:03:34	0.51	-0.15	11.40	0.99	
08:07:45	0.42	0.03	11.84	0.99	
08:12:00	0.35	-0.26	12.11	0.98	
08:16:13	0.19	-0.06	12.06	0.99	
08:20:24	0.07	-0.05	12.08	0.99	
08:24:35	0.06	-0.01	12.20	0.99	
08:28:46	0.02	-0.06	12.17	0.99	
08:33:11	0.02	0.04	12.68	0.99	
08:37:22	0.01	0.05	12.78	0.99	
08:41:33	0.09	0.04	13.58	0.98	
08:45:44	0.20	0.06	13.97	1.00	
08:49:52	0.29	-0.11	14.28	0.99	
08:54:00			14.67	1.00	
08:58:10	0.23	-0.01	14.41	0.99	
09:02:21	0.21	-0.06	14.32	0.99	
09:06:33	0.03	-0.12	14.27	0.99	
09:10:44	-0.09	-0.08	14.39	1.00	
09:14:55	-0.33	-0.18	14.34	1.00	
09:19:06	-0.32	0.05	14.48	0.99	
09:23:17	-0.30	-0.08	14.95	1.00	
09:27:28	-0.20	0.07	15.12	1.00	
09:31:39	-0.07	0.02	15.42	0.99	
09:35:51	0.21	0.20	15.82	1.00	
09:40:04	0.21	-0.12	15.62	0.99	
09:44:15	0.29	0.06	15.25	0.99	
09:48:26	0.49	0.06	14.80	0.98	
09:52:37	0.54	0.07	14.48	0.99	
09:56:48	0.44	-0.12	13.94	0.99	
10:00:59	0.47	0.07	14.08	1.00	
10:05:09	0.47	0.04	14.14	1.00	
10:09:20	0.42	-0.02	14.90	1.00	
10:13:38	0.40	-0.04	15.03	0.99	
10:17:54	0.46	-0.00	14.41	1.00	
10:22:05	0.52	-0.06	13.76	0.99	
10:26:25	0.58	-0.02	12.33	1.00	
10:30:39	0.61	0.09	11.63	0.99	
10:34:48	0.56	0.04	11.32	0.99	
10:38:59	0.47	0.01	11.35	0.99	
10:43:10	0.44	0.03	11.51	1.00	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
10:47:21	0.45	0.20	11.70	0.99	
10:51:33	0.30	-0.17	12.15	0.99	
10:55:45	0.33	0.09	12.44	0.99	
11:00:02	0.51	0.34	12.55	0.99	
11:04:11	0.62	0.11	12.70	1.00	
11:08:22	0.49	-0.26	12.56	0.99	
11:12:33	0.55	0.00	12.55	1.00	
11:16:44	0.57	-0.04	12.43	1.00	
11:20:56	0.62	-0.03	12.32	1.00	
11:25:07	0.60	-0.03	12.29	1.00	
11:29:18	0.64	0.17	12.38	1.00	
11:33:29	0.59	0.01	12.36	0.99	
11:37:40	0.53	-0.14	12.54	1.00	
11:41:51	0.35	-0.12	12.72	1.00	
11:46:02	0.46	-0.09	12.69	1.00	
11:50:13	0.40	-0.09	12.81	1.00	
11:54:24	0.52	0.13	12.68	1.00	
11:58:35	0.46	0.14	12.30	0.99	
12:02:45	0.37	-0.19	11.82	0.99	
12:06:56	0.18	0.08	11.33	0.99	
12:11:07	0.33	0.06	10.97	0.99	
12:15:30	0.24	-0.18	10.93	0.99	
12:19:43	0.42	-0.06	10.76	0.99	
12:23:54	0.52	0.09	11.05	0.99	
12:28:05	0.60	-0.12	10.70	0.99	
12:32:16	0.46	-0.10	10.43	1.00	
12:36:27	0.56	0.19	10.30	0.99	
12:40:38	0.65	-0.00	9.62	1.00	
12:44:57	0.69	0.04	9.44	0.99	
12:49:07	0.64	0.07	9.25	1.00	
12:53:18	0.61	-0.16	9.41	1.00	
12:57:31	0.59	-0.18	9.84	1.00	
13:01:42	0.41	0.04	10.32	1.00	
13:05:56	0.46	0.14	10.92	1.00	
13:10:05	0.40	-0.07	11.62	0.99	
13:14:15	0.37	0.20	12.43	1.00	
13:18:26	0.17	-0.04	13.32	1.00	
13:22:37	0.18	-0.02	14.11	1.00	
13:26:48	0.00	-0.15	14.18	0.99	
13:30:59	0.07	0.06	14.08	0.99	
13:35:10	0.07	-0.06	14.13	1.00	
13:39:23	0.13	0.23	14.02	1.00	
13:43:39	0.01	0.07	14.19	1.00	
13:47:50	0.18	0.02	14.33	1.00	
13:52:01	0.17	0.09	14.25	1.00	
13:56:12	0.36	0.16	14.05	0.99	
14:00:24	0.46	-0.06	13.68	0.99	
14:04:33	0.51	-0.12	13.51	0.99	
14:10:04	0.38	-0.16	13.73	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
14:14:16	0.32	-0.11	13.96	0.99	
14:18:29	0.34	-0.10	14.62	0.99	
14:22:40	0.38	-0.07	15.14	0.99	
14:26:51	0.49	0.05	15.22	0.99	
14:31:02	0.59	0.10	15.83	0.99	
14:35:13	0.73	0.02	16.00	0.99	
14:39:24	0.69	0.01	16.27	0.98	
14:43:35	0.65	-0.01	16.93	0.99	
14:47:45	0.80	0.14	17.05	1.00	
14:51:56	0.95	0.11	17.36	1.00	
14:56:07	0.92	0.06	17.84	0.99	
15:00:19	1.02	0.09	17.90	1.00	
15:04:33	1.02	0.06	17.93	1.00	
15:08:44	0.83	-0.19	17.74	0.99	
15:12:55	0.57	-0.04	17.25	1.00	
15:17:08	0.41	-0.01	16.96	1.00	
15:21:19	0.19	-0.08	16.54	1.00	
15:25:30	0.15	0.13	16.24	0.99	
15:29:41	0.23	0.21	16.14	1.00	
15:33:53	0.45	0.08	15.89	1.00	
15:38:04	0.64	-0.05	16.04	0.99	
15:42:17	0.75	0.05	16.13	0.99	
15:46:28	0.84	-0.11	16.01	0.99	
15:50:40	0.87	0.01	15.97	0.99	
15:54:51	0.80	-0.09	15.66	0.99	
15:59:12	0.82	0.11	15.63	0.99	
16:03:22	0.75	-0.12	15.39	0.99	
16:07:34	0.67	0.07	15.19	1.00	
16:11:46	0.63	-0.05	15.11	1.00	
16:15:58	0.58	0.02	14.81	1.00	
16:20:11	0.51	-0.01	14.75	1.00	
16:24:23	0.61	0.17	14.43	0.99	
16:28:36	0.61	-0.03	14.28	1.00	
16:32:49	0.58	-0.08	14.05	0.99	
16:37:03	0.61	-0.03	13.88	1.00	
16:41:16	0.59	-0.05	13.73	0.99	
16:46:39	0.63	-0.12	13.41	1.00	
16:52:03	0.55	-0.06	13.00	0.99	
16:56:16	0.47	0.02	12.51	0.99	
17:00:28	0.43	0.04	12.23	0.99	
17:04:41	0.30	-0.09	11.96	0.99	
17:08:53	0.07	-0.11	11.63	1.00	
17:13:05	0.27	0.08	11.44	0.99	
17:17:16	0.26	-0.11	11.19	0.99	
17:21:31	0.18	0.00	10.95	0.99	
17:25:43	0.23	0.02	10.92	0.99	
17:29:55	0.42	0.12	10.81	0.99	
17:34:05	0.38	-0.12	10.67	1.00	
17:38:17	0.40	0.02	10.32	0.99	

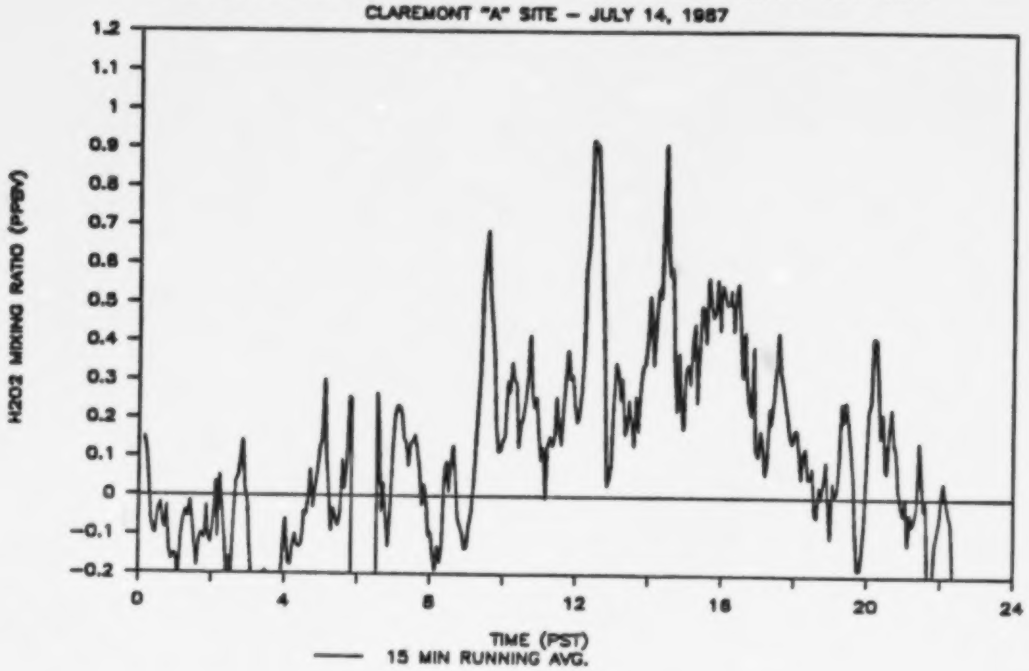
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
17:42:33	0.36	-0.17	10.21	1.00	
17:46:56	0.46	0.09	9.99	0.99	
17:51:06	0.54	-0.08	9.79	0.99	
17:55:18	0.56	0.03	9.81	0.99	
17:59:30	0.69	-0.06	9.76	0.99	
18:03:40	0.70	0.07	9.72	0.99	
18:07:52	0.61	-0.21	9.66	0.99	
18:12:03	0.45	0.10	9.51	0.99	
18:16:15	0.49	-0.08	9.23	0.99	
18:20:25	0.41	0.07	9.03	0.99	
18:24:37	0.48	-0.09	8.77	0.98	
18:28:50	0.50	0.12	8.61	0.98	
18:33:00	0.63	0.02	8.28	0.97	
18:37:12	0.59	-0.06	7.94	0.97	
18:41:22	0.55	-0.20	7.84	0.97	
18:45:34	0.44	0.11	7.62	0.98	
18:49:46	0.38	-0.00	7.72	0.97	
18:53:58	0.30	-0.24	7.71	0.97	
18:58:09	0.23	0.10	7.54	0.98	
19:02:21	0.05	0.07	7.37	0.97	
19:06:34	0.18	0.07	7.16	0.98	
19:10:46	0.28	0.06	6.96	0.98	
19:14:58	0.23	0.19	6.84	0.98	
19:19:08	0.13	0.09	6.84	0.99	
19:23:20	0.27	0.16	6.88	0.99	
19:27:32	0.20	0.07	6.90	0.97	
19:31:43	0.24	0.04	6.93	0.98	
19:35:55	0.20	-0.03	6.94	0.99	
19:40:18	0.28	-0.07	6.70	0.99	
19:44:30	0.42	0.11	6.68	0.97	
19:48:40	0.47	-0.15	6.47	0.99	
19:52:53	0.14	0.05	6.32	0.97	
19:57:03	0.35	0.15	6.31	0.99	
20:01:15	0.39	0.10	6.17	0.99	
20:05:27	0.29	0.14	6.07	0.99	
20:09:39	0.33	0.11	5.85	0.98	
20:13:50	0.56	-0.15	5.70	0.99	
20:18:02	0.38	-0.11	5.56	0.98	
20:22:12	0.35	0.01	5.46	0.97	
20:26:27	0.33	-0.23	5.52	0.97	
20:30:37	0.15	-0.03	5.50	0.97	
20:34:49	0.15	0.11	5.52	0.96	
20:39:01	0.15	-0.10	5.52	0.96	
20:44:25	0.05	-0.13	5.55	0.95	
20:48:35	0.00	-0.09	5.56	0.97	
20:52:47	-0.04	-0.17	5.53	0.96	
20:56:59	-0.19	-0.09	5.56	0.98	
21:01:10	-0.22	0.04	5.54	0.97	
21:05:22	-0.22	-0.10	5.54	0.97	

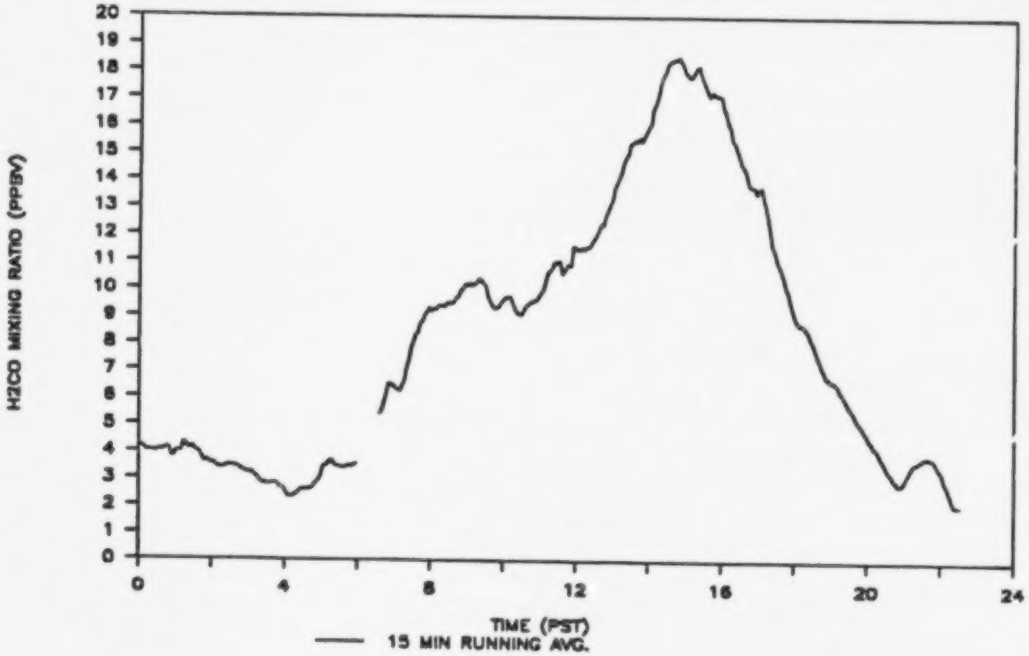
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
21:09:34	-0.28	0.07	5.46	0.96	
21:13:44	-0.12	0.10	5.42	0.97	
21:17:56	0.01	0.01	5.41	0.97	
21:22:06	-0.00	0.10	5.44	0.98	
21:26:18	0.11	0.09	5.52	0.97	
21:30:37	0.15	0.05	5.59	0.99	
21:37:03	0.07	0.09	5.41	0.99	
21:41:15	0.02	-0.04	5.09	0.98	
21:45:26	-0.05	-0.13	4.65	0.94	
21:49:40	-0.11	0.01	4.26	0.96	
21:53:50	-0.15	0.04	3.95	0.97	
21:58:06	-0.05	-0.05	3.81	0.97	
22:02:16	-0.06	0.05	3.84	0.95	
22:06:28	0.07	0.10	3.75	0.98	
22:10:38	-0.08	-0.02	3.83	0.99	
22:15:00	-0.06	-0.01	3.89	0.98	
22:19:11	-0.19	-0.01	3.80	0.99	
22:23:21	-0.20	0.06	3.73	0.98	
22:27:33	-0.23	0.02	3.62	0.99	
22:31:45	-0.12	0.05	3.46	0.95	
22:35:55	-0.14	0.01	3.56	0.99	
22:40:07	-0.18	0.10	3.55	0.98	
22:44:17	-0.23	0.03	3.48	0.98	
22:48:29	-0.20	0.13	3.56	0.97	
22:52:39	-0.14	0.11	3.47	0.97	
22:56:51	-0.20	-0.16	3.53	0.98	
23:01:01			3.57	0.98	
23:05:19			3.48	0.95	
23:28:52					CALIBRATION
23:43:28					
23:47:18					
23:50:58	0.19	-0.30			
23:54:40	0.19	-0.07			
23:58:22	0.08	-0.03			
00:01:52	0.08	0.14		0.99	
00:05:37	0.13	-0.10		1.00	
00:09:21	0.05	-0.05		0.99	
00:13:05	0.02	-0.04		1.00	
00:16:48	0.11	-0.08	4.19	0.99	
00:20:33	0.06	-0.14	4.11	0.99	
00:24:23	-0.08	-0.06	4.08	0.99	
00:28:07	-0.05	-0.03	4.05	1.00	
00:31:50	-0.10	0.01	4.09	1.00	
00:35:34	-0.21	0.02	4.19	1.00	
00:39:19	-0.30	-0.03	4.29	1.00	
00:43:02	-0.34	0.03	4.29	1.00	
00:46:46	-0.43	0.02	4.34	1.00	
00:50:28	-0.42	-0.05	4.36	1.00	
00:54:11	-0.40	0.00	4.31	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
00:57:55	-0.34	-0.02	4.25	0.99	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 14, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: JULY 14, 1987
JULIAN DATE: 195

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
01:01:38			4.21	1.00	
01:05:20			4.16	0.99	
01:09:04	0.15	0.04	4.11	0.98	
01:12:48	0.12	-0.06	4.00	0.99	
01:16:30	0.03	-0.11	4.03	1.00	
01:20:13	-0.07	-0.04	4.04	0.98	
01:24:06	-0.10	0.10	4.01	0.99	
01:27:49	-0.10	-0.03	3.97	0.99	
01:31:33	-0.04	-0.05	4.05	0.99	
01:35:15	-0.02	-0.08	4.03	0.99	
01:39:05	-0.07	-0.04	4.04	0.99	
01:42:49	-0.09	-0.08	4.09	0.98	
01:46:32	-0.03	-0.05	4.14	0.99	
01:50:15	-0.14	0.06	4.08	0.99	
01:53:58	-0.16	0.13	3.81	0.99	
01:57:49	-0.15	0.12	3.79	1.00	
02:01:33	-0.15	0.04	3.97	1.00	
02:05:16	-0.22	0.10	3.99	1.00	
02:09:01	-0.10	-0.02	4.00	1.00	
02:12:46	-0.06	0.02	4.29	0.99	
02:16:31	-0.04	-0.02	4.27	0.99	
02:20:16	-0.05	0.13	4.11	0.99	
02:24:08	-0.01	0.07	4.12	0.99	
02:27:54	-0.06	0.12	4.17	1.00	
02:31:39	-0.13	-0.14	4.02	1.00	
02:35:24	-0.18	-0.08	4.02	0.99	
02:39:13	-0.11	-0.06	3.96	0.99	
02:43:01	-0.10	-0.02	3.79	1.00	
02:46:45	-0.11	0.03	3.62	0.99	
02:50:31	-0.02	0.11	3.69	1.00	
02:54:14	-0.10	-0.08	3.64	1.00	
02:57:58	-0.12	0.01	3.55	1.00	
03:01:43	-0.08	0.03	3.57	0.99	
03:05:35	0.04	-0.17	3.51	1.00	
03:09:20	-0.11	0.05	3.42	0.99	
03:13:05	0.05	0.05	3.40	1.00	
03:16:57	-0.03	-0.07	3.39	0.99	
03:20:40	-0.11	-0.10	3.40	1.00	
03:24:25	-0.23	-0.08	3.47	0.99	
03:28:10	-0.16	-0.21	3.50	0.99	
03:31:55	-0.23	0.09	3.49	1.00	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
03:35:40	-0.06	0.03	3.48	0.99	
03:39:25	0.04	-0.11	3.44	1.00	
03:43:09	0.05	0.09	3.41	0.99	
03:46:53	0.09	0.02	3.36	0.98	
03:50:36	0.14	-0.07	3.30	0.99	
03:54:20	0.02	-0.05	3.28	0.99	
03:58:05	-0.02	0.04	3.23	1.00	
04:01:48	-0.12	-0.07	3.22	1.00	
04:05:33	-0.20	0.13	3.24	1.00	
04:09:16	-0.31	-0.10	3.12	0.99	
04:13:00	-0.36	-0.04	3.09	1.00	
04:16:43	-0.43	-0.05	2.98	0.99	
04:20:28	-0.37	0.07	2.89	1.00	
04:24:11	-0.28	-0.12	2.81	0.99	
04:27:56	-0.19	0.04	2.84	0.99	
04:31:39	-0.21	0.02	2.80	1.00	
04:35:24	-0.26	0.06	2.80	0.99	
04:39:07	-0.28	0.05	2.84	1.00	
04:43:03	-0.37	0.10	2.83	0.99	
04:46:48	-0.31	0.21	2.81	1.00	
04:50:31	-0.23	0.10	2.69	0.99	
04:54:15	-0.19	0.16	2.68	0.99	
04:57:58	-0.11	0.07	2.60	1.00	
05:01:43	-0.06	0.04	2.52	1.00	
05:05:24	-0.17	-0.17	2.35	0.98	
05:09:15	-0.18	-0.01	2.35	0.99	
05:12:56	-0.12	0.06	2.36	0.99	
05:16:41	-0.10	0.04	2.42	0.99	
05:20:24	-0.13	-0.03	2.45	1.00	
05:24:07	-0.13	0.14	2.58	1.00	
05:27:50	-0.12	0.06	2.61	1.00	
05:31:34	-0.04	-0.10	2.63	1.00	
05:35:15	-0.05	-0.09	2.59	0.98	
05:38:58	-0.00	0.12	2.61	0.99	
05:42:41	0.07	0.01	2.63	1.00	
05:46:24	-0.03	0.01	2.72	0.99	
05:50:06	0.02	0.08	2.83	0.99	
05:53:49	0.06	0.01	2.93	1.00	
05:57:32	0.12	-0.06	3.03	1.00	
06:01:17	0.14	-0.04	3.34	0.99	
06:05:00	0.30	-0.05	3.49	0.98	
06:08:43	0.09	-0.13	3.50	0.99	
06:12:26	0.01	-0.02	3.63	0.99	
06:16:08	-0.09	-0.06	3.71	0.99	
06:19:49	-0.03	0.00	3.57	1.00	
06:23:40	-0.05	-0.02	3.48	0.99	
06:27:25	-0.08	0.02	3.48	0.99	
06:31:08	-0.05	0.10	3.44	0.98	
06:34:49	0.09	0.11	3.40	1.00	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
06:38:32	0.02	0.04	3.42	0.98	
06:42:19	0.08	0.09	3.47	0.99	
06:46:00	0.26	0.05	3.50	0.99	
06:49:44	0.25	-0.06	3.45	0.99	
06:53:29	-12.62	-0.05	3.52	1.00	
06:57:12	-12.64	-0.03	3.56	1.00	
07:17:23	-12.58	-0.04		1.00	FILTER
07:23:58	-12.75	0.02		1.00	
07:27:41	-12.61	0.05		0.99	
07:31:24	0.27	0.07		0.98	
07:35:09	0.18	-0.13	5.41	0.99	
07:38:52	-0.04	-0.06	5.51	1.00	
07:42:36	0.03	-0.10	5.83	0.99	
07:46:17	-0.06	-0.03	6.15	0.99	
07:50:00	-0.13	-0.14	6.50	0.99	
07:53:43	-0.04	0.22	6.47	1.00	
07:57:25	0.11	0.04	6.43	0.99	
08:01:06	0.21	0.06	6.34	0.99	
08:04:48	0.23	-0.04	6.29	0.99	
08:08:31	0.23	-0.01	6.23	0.98	
08:12:13	0.21	-0.19	6.43	0.98	
08:15:54	0.15	-0.01	6.63	0.98	
08:19:36	0.14	-0.01	7.10	1.00	
08:23:24	0.08	-0.03	7.38	0.99	
08:27:05	0.14	0.09	7.85	1.00	
08:30:45	0.14	0.11	8.06	0.98	
08:34:28	0.16	0.06	8.34	0.99	
08:38:09	0.12	-0.02	8.41	0.99	
08:41:49	0.06	-0.01	8.76	1.00	
08:45:32	-0.02	-0.06	8.82	0.99	
08:49:14	0.03	-0.08	9.07	0.99	
08:52:55	-0.01	-0.12	9.17	1.00	
08:56:37	-0.10	-0.08	9.31	1.00	
09:00:29	-0.09	-0.07	9.20	0.99	
09:04:10	-0.15	-0.07	9.26	1.00	
09:07:52	-0.19	0.04	9.26	0.99	
09:11:33	-0.13	0.02	9.41	1.00	
09:15:15	-0.17	0.00	9.40	1.00	
09:18:58	-0.13	0.03	9.42	1.00	
09:22:40	0.06	0.06	9.36	1.00	
09:26:21	0.09	-0.13	9.52	1.00	
09:30:03	0.01	0.05	9.49	1.00	
09:33:44	0.09	0.16	9.48	1.00	
09:37:26	0.13	0.06	9.55	0.99	
09:41:12	0.05	0.06	9.71	1.00	
09:44:55	-0.06	0.11	9.74	0.99	
09:48:37	-0.08	-0.01	9.95	1.00	
09:52:18	-0.10	-0.17	10.03	0.99	
09:56:00	-0.13	0.02	10.19	1.00	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
09:59:42	-0.13	0.13	10.15	1.00	
10:03:25	-0.08	0.03	10.23	1.00	
10:07:05	-0.04	0.02	10.12	1.00	
10:10:46	0.03	0.26	10.18	1.00	
10:14:29	0.12	0.09	10.26	1.00	
10:18:11	0.23	-0.02	10.39	1.00	
10:21:53	0.33	0.06	10.32	1.00	
10:25:35	0.53	0.09	10.26	0.99	
10:29:18	0.63	-0.04	10.13	0.99	
10:33:00	0.69	-0.05	9.75	1.00	
10:36:53	0.53	-0.15	9.56	0.99	
10:40:34	0.45	-0.22	9.41	1.00	
10:44:15	0.37	-0.11	9.30	1.00	
10:47:59	0.18	-0.16	9.34	0.99	
10:51:39	0.12	-0.07	9.39	0.99	
10:55:22	0.12	-0.07	9.52	1.00	
10:59:03	0.14	0.09	9.62	1.00	
11:02:48	0.15	-0.09	9.71	1.00	
11:06:30	0.30	0.01	9.71	1.00	
11:10:12	0.27	-0.01	9.74	0.99	
11:13:58	0.35	-0.04	9.51	0.99	
11:17:39	0.31	0.08	9.30	1.00	
11:21:22	0.29	-0.12	9.16	1.00	
11:25:04	0.13	-0.12	9.10	1.00	
11:28:46	0.19	-0.11	9.09	1.00	
11:32:27	0.21	0.07	9.25	1.00	
11:36:08	0.25	-0.17	9.38	1.00	
11:39:50	0.32	0.10	9.48	1.00	
11:43:34	0.42	-0.02	9.52	0.99	
11:47:15	0.27	0.03	9.60	0.99	
11:50:57	0.23	-0.07	9.57	1.00	
11:54:39	0.26	0.03	9.66	0.99	
11:58:20	0.16	0.04	9.79	1.00	
12:02:01	0.09	0.01	9.91	0.99	
12:05:43	0.12	-0.03	10.08	1.00	
12:09:25	-0.01	0.05	10.42	1.00	
12:13:08	0.13	0.13	10.65	0.99	
12:16:58	0.15	-0.06	10.71	0.99	
12:20:40	0.13	0.00	10.90	1.00	
12:24:23	0.15	0.14	11.02	1.00	
12:28:05	0.26	0.05	10.98	0.99	
12:31:46	0.17	-0.10	11.05	1.00	
12:35:28	0.13	0.00	10.57	1.00	
12:39:16	0.24	0.09	10.68	0.99	
12:42:58	0.32	-0.10	10.85	1.00	
12:46:39	0.38	-0.12	10.93	1.00	
12:50:21	0.30	0.01	10.86	1.00	
12:54:03	0.32	0.03	11.60	1.00	
12:57:46	0.24	-0.05	11.54	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
13:01:31	0.19	-0.01	11.47	1.00	
13:05:12	0.20	0.22	11.47	1.00	
13:08:54	0.28	0.05	11.54	0.99	
13:12:35	0.37	0.14	11.46	0.99	
13:16:17	0.59	0.11	11.56	0.99	
13:19:58	0.66	0.17	11.56	0.99	
13:23:40	0.78	-0.01	11.72	1.00	
13:27:21	0.92	-0.06	11.82	1.00	
13:33:30	0.91	-0.14	11.97	0.99	
13:36:00			12.17	0.99	
13:39:42	0.71	-0.07	12.42	1.00	
13:43:23	0.53	-0.08	12.37	0.99	
13:47:05	0.32	-0.17	12.74	1.00	
13:50:46	0.03	0.11	12.92	1.00	
13:54:28	0.05	0.17	13.13	0.99	
13:58:09	0.09	0.06	13.30	0.99	
14:01:51	0.26	-0.00	13.78	1.00	
14:05:34	0.35	-0.02	13.94	1.00	
14:09:16	0.33	-0.14	14.15	1.00	
14:12:58	0.25	-0.13	14.36	1.00	
14:16:39	0.31	-0.11	14.65	1.00	
14:20:21	0.16	-0.05	14.89	1.00	
14:24:03	0.18	0.09	15.02	0.99	
14:27:44	0.25	0.08	15.35	0.99	
14:31:27	0.19	0.05	15.40	1.00	
14:35:09	0.13	0.08	15.50	1.00	
14:38:51	0.26	0.08	15.45	1.00	
14:42:32	0.17	-0.03	15.59	1.00	
14:46:14	0.29	0.06	15.44	1.00	
14:49:57	0.34	-0.07	15.66	0.99	
14:53:39	0.34	-0.11	15.81	1.00	
14:57:20	0.41	0.08	16.01	1.00	
15:01:02	0.52	0.07	16.11	1.00	
15:04:47	0.47	-0.00	16.65	1.00	
15:08:29	0.34	-0.01	16.81	1.00	
15:12:10	0.48	0.13	17.15	0.99	
15:16:03	0.54	-0.31	17.56	1.00	
15:19:47	0.52	0.00	17.87	1.00	
15:23:29	0.72	0.07	17.95	1.00	
15:27:14	0.91	-0.11	18.26	0.99	
15:30:56	0.63	-0.15	18.39	1.00	
15:34:40	0.57	0.19	18.39	1.00	
15:38:22	0.59	-0.04	18.46	1.00	
15:42:06	0.34	-0.21	18.46	1.00	
15:45:56	0.23	0.12	18.53	1.00	
15:49:40	0.37	-0.02	18.40	1.00	
15:53:22	0.24	-0.10	18.26	1.00	
15:57:06	0.18	-0.00	17.99	1.00	
16:00:50	0.33	0.08	17.91	0.99	

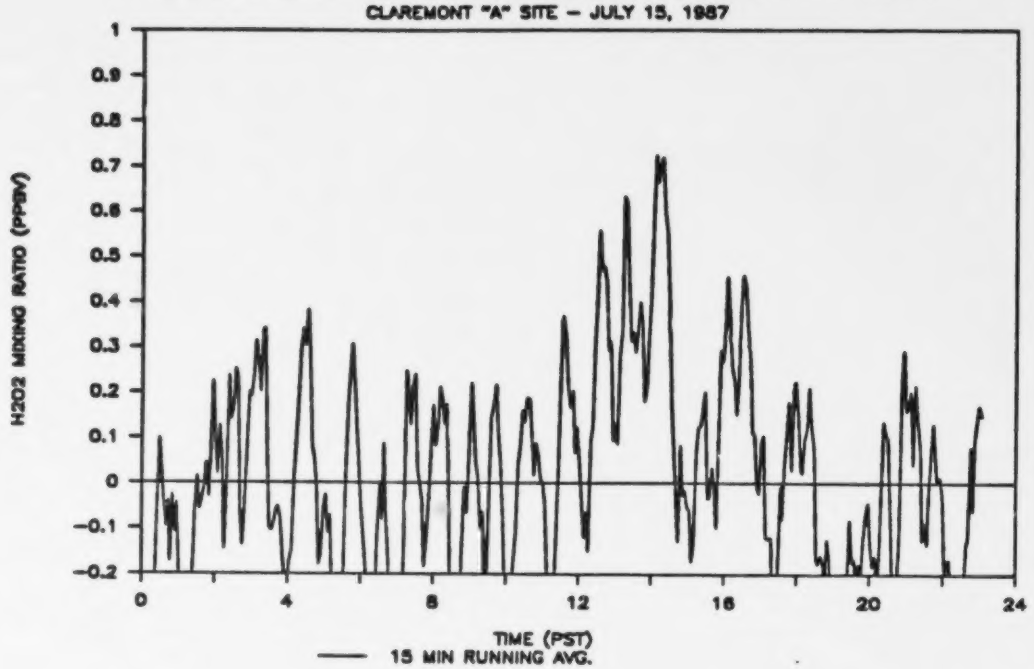
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
16:04:33	0.34	-0.10	17.83	0.99	
16:08:23	0.29	0.12	17.84	1.00	
16:12:06	0.41	0.15	18.00	0.99	
16:15:50	0.45	-0.03	18.15	1.00	
16:19:33	0.25	0.03	18.21	0.99	
16:23:15	0.37	0.14	17.89	1.00	
16:26:59	0.50	-0.02	17.69	1.00	
16:30:42	0.49	-0.02	17.48	1.00	
16:34:25	0.40	0.11	17.26	1.00	
16:38:09	0.57	0.07	17.11	0.99	
16:41:52	0.50	-0.03	17.26	1.00	
16:45:34	0.47	-0.02	17.21	0.99	
16:49:18	0.48	-0.01	17.13	0.99	
16:53:12	0.56	-0.07	17.15	1.00	
16:56:54	0.43	-0.05	17.08	1.00	
17:00:37	0.55	-0.01	16.69	0.99	
17:04:21	0.54	0.01	16.55	1.00	
17:08:07	0.50	0.02	16.17	1.00	
17:11:49	0.50	0.04	15.93	1.00	
17:15:33	0.54	-0.03	15.53	1.00	
17:19:16	0.43	0.12	15.40	1.00	
17:22:58	0.54	0.22	15.12	1.00	
17:26:41	0.55	0.01	14.93	1.00	
17:30:25	0.46	-0.20	14.67	1.00	
17:34:08	0.31	0.04	14.53	1.00	
17:37:50	0.43	0.05	14.38	1.00	
17:41:35	0.31	-0.22	14.04	1.00	
17:45:17	0.25	0.02	13.82	1.00	
17:49:00	0.22	0.21	13.81	0.99	
17:52:44	0.39	-0.02	13.75	1.00	
17:56:27	0.12	-0.33	13.55	1.00	
18:00:09	0.11	0.17	13.73	1.00	
18:03:52	0.17	-0.14	13.78	1.00	
18:07:36	0.15	-0.11	13.40	1.00	
18:11:19	0.06	0.07	13.03	1.00	
18:15:01	0.10	0.19	12.58	1.00	
18:18:45	0.23	0.05	12.10	0.99	
18:22:28	0.19	0.01	11.67	1.00	
18:26:11	0.26	0.08	11.42	1.00	
18:29:55	0.34	-0.07	11.07	1.00	
18:33:46	0.43	-0.05	10.91	1.00	
18:37:28	0.32	-0.10	10.67	0.99	
18:41:11	0.29	0.05	10.46	1.00	
18:44:55	0.25	-0.02	10.10	0.99	
18:48:38	0.21	-0.06	9.93	0.99	
18:52:20	0.16	0.01	9.59	1.00	
18:56:05	0.14	-0.10	9.30	0.99	
18:59:47	0.17	0.03	9.01	0.99	
19:03:30	0.18	0.03	8.86	1.00	

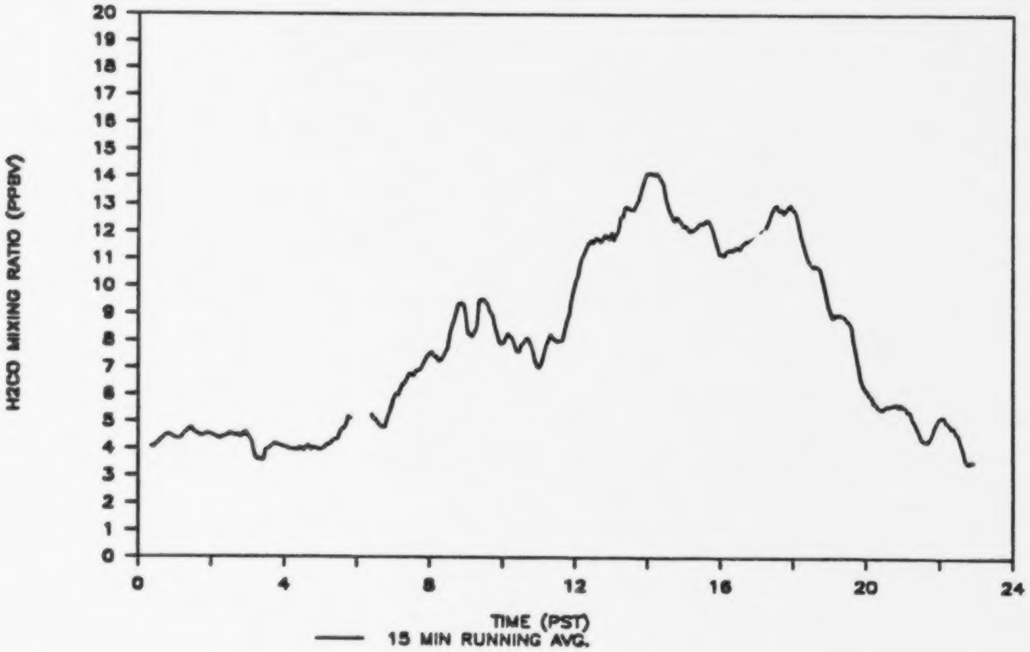
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
19:07:17	0.13	-0.07	8.76	0.99	
19:10:57	0.05	0.09	8.75	1.00	
19:14:41	0.11	0.06	8.68	1.00	
19:18:27	0.13	-0.12	8.59	0.99	
19:22:09	0.05	-0.10	8.49	0.99	
19:25:51	0.05	0.05	8.22	0.99	
19:29:34	0.08	-0.12	8.06	0.99	
19:33:18	-0.04	-0.09	7.83	1.00	
19:37:01	-0.05	0.12	7.59	1.00	
19:40:45	0.03	0.07	7.39	0.99	
19:44:28	-0.00	0.01	7.17	1.00	
19:48:10	0.05	0.07	6.99	0.99	
19:51:53	0.09	0.11	6.77	1.00	
19:55:37	-0.02	0.04	6.76	0.99	
19:59:20	-0.10	-0.02	6.64	0.99	
20:03:02	0.04	0.01	6.64	0.99	
20:06:47	0.00	-0.05	6.56	1.00	
20:10:40	0.01	-0.02	6.52	1.00	
20:14:22	0.10	-0.07	6.27	1.00	
20:18:05	0.24	0.11	6.20	1.00	
20:21:49	0.20	0.11	6.03	1.00	
20:25:32	0.25	0.12	5.90	0.99	
20:29:14	0.20	-0.03	5.70	1.00	
20:32:57	0.13	0.09	5.62	1.00	
20:36:41	0.04	-0.09	5.46	1.00	
20:40:24	-0.08	-0.11	5.29	0.99	
20:44:08	-0.18	-0.01	5.15	0.99	
20:47:51	-0.18	-0.00	5.04	0.99	
20:51:33	-0.14	-0.01	4.95	0.99	
20:55:16	-0.07	0.12	4.79	0.99	
20:59:00	0.09	0.04	4.70	0.99	
21:02:43	0.23	-0.03	4.49	0.99	
21:06:25	0.25	0.07	4.44	0.98	
21:10:10	0.41	-0.04	4.25	0.96	
21:13:53	0.41	-0.18	4.18	0.96	
21:17:37	0.29	-0.06	4.05	0.97	
21:21:20	0.16	-0.07	3.88	0.94	
21:25:04	0.22	-0.01	3.72	0.96	
21:28:47	0.08	-0.01	3.57	0.99	
21:32:29	0.06	0.13	3.44	0.93	
21:36:12	0.18	0.15	3.30	0.98	
21:39:56	0.23	0.03	3.22	0.97	
21:43:39	0.14	-0.03	3.06	0.98	
21:47:21	0.12	-0.05	3.00	1.00	
21:51:12	0.03	-0.11	2.87	1.00	
21:54:56	-0.02	-0.10	2.87	0.99	
21:58:39	-0.04	-0.03	2.94	0.99	
22:02:23	0.00	0.01	3.12	0.99	
22:06:06	-0.12	-0.07	3.28	1.00	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
22:09:48	-0.04	0.01	3.43	1.00	
22:13:31	-0.07	-0.00	3.53	0.98	
22:17:15	-0.05	0.03	3.67	1.00	
22:20:58	-0.02	0.02	3.66	0.99	
22:24:40	0.14	0.13	3.72	0.99	
22:28:24	0.08	-0.05	3.76	0.99	
22:32:07	-0.03	0.01	3.84	0.99	
22:35:49	-0.01	-0.02	3.86	0.99	
22:39:32	-0.20	-0.06	3.88	0.99	
22:43:16	-0.28	0.06	3.85	0.98	
22:46:59	-0.26	0.02	3.83	0.98	
22:50:41	-0.12	0.07	3.71	0.97	
22:54:24	-0.09	-0.00	3.54	0.98	
22:58:08	-0.06	0.02	3.43	0.99	
23:01:51	0.02	-0.10	3.31	0.99	
23:05:35	0.04	0.05	3.07	0.97	
23:09:21	-0.01	-0.06	2.85	0.97	
23:13:03	-0.04	0.08	2.63	0.95	
23:16:45	-0.06	-0.02	2.40	0.98	
23:20:31	-0.20	0.07	2.16	0.98	
23:24:15	-0.25	0.07	2.10	0.99	
23:28:06	-0.28	0.04	2.09	0.98	
23:31:50	-0.40	0.01	2.09	0.99	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 15, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: JULY 15, 1987
JULIAN DATE: 196

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
00:11:21					CALIBRATION
01:06:09				1.00	
01:09:50				1.00	
01:13:30	-0.47	-0.18		0.99	
01:17:16	-0.39	-0.20		0.97	
01:20:56	-0.25	0.11	4.07	1.00	
01:24:36	-0.06	-0.01	4.03	0.99	
01:28:17	0.10	0.10	4.14	0.99	
01:31:58	0.03	-0.05	4.19	0.99	
01:35:37	-0.04	0.07	4.30	0.99	
01:39:17	-0.10	0.06	4.36	1.00	
01:42:57	-0.04	-0.04	4.46	1.00	
01:46:39	-0.17	-0.09	4.49	1.00	
01:50:19	-0.02	-0.02	4.51	0.99	
01:53:59	-0.11	-0.08	4.48	0.99	
01:57:39	-0.04	-0.04	4.43	1.00	
02:01:21	-0.20	-0.01	4.37	0.99	
02:05:03	-0.34	-0.13	4.36	0.99	
02:08:44	-0.60	0.08	4.36	1.00	
02:12:25	-0.46	0.01	4.46	0.99	
02:16:07	-0.43	0.05	4.56	1.00	
02:19:48	-0.36	-0.06	4.61	0.99	
02:23:29	-0.22	-0.02	4.71	0.99	
02:27:11	-0.06	0.03	4.76	0.99	
02:30:59	0.02	0.07	4.65	0.99	
02:34:41	-0.06	-0.10	4.57	0.99	
02:38:24	-0.04	0.07	4.54	1.00	
02:42:05	-0.01	0.10	4.46	0.98	
02:45:47	0.04	0.11	4.46	1.00	
02:49:28	-0.03	0.00	4.53	0.98	
02:53:10	0.06	0.07	4.56	0.99	
02:56:50	0.22	0.10	4.54	1.00	
03:00:32	0.11	0.07	4.50	0.98	
03:04:17	0.02	-0.12	4.48	1.00	
03:07:58	0.13	0.12	4.44	0.98	
03:11:40	0.06	-0.05	4.37	0.99	
03:15:21	-0.14	-0.08	4.38	0.98	
03:19:04	-0.01	0.03	4.45	0.98	
03:22:45	0.24	0.06	4.44	0.99	
03:26:28	0.14	-0.13	4.48	0.99	
03:30:15	0.16	-0.02	4.58	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
03:33:56	0.25	0.08	4.54	0.99	
03:37:38	0.23	-0.16	4.49	0.99	
03:41:21	-0.06	-0.05	4.49	0.99	
03:45:01	-0.13	0.06	4.51	0.99	
03:48:43	-0.05	0.13	4.42	0.98	
03:52:25	0.07	0.04	4.51	1.00	
03:56:07	0.20	0.05	4.63	0.99	
03:59:48	0.19	-0.11	4.49	0.99	
04:03:28	0.24	-0.04	4.37	0.99	
04:07:20	0.31	-0.01	4.22	0.98	
04:11:02	0.27	-0.18	3.80	0.96	
04:14:50	0.20	0.16	3.63	1.00	
04:18:33	0.34	0.21	3.62	0.99	
04:22:15	0.34	0.09	3.58	1.00	
04:25:56	0.07	-0.09	3.57	0.99	
04:29:37	-0.10	0.06	3.95	0.99	
04:33:19	-0.10	-0.02	3.98	0.99	
04:37:04	-0.09	0.08	4.03	1.00	
04:40:45	-0.06	-0.09	4.11	0.98	
04:44:26	-0.05	-0.02	4.19	1.00	
04:48:08	-0.08	-0.08	4.17	0.99	
04:51:49	-0.16	-0.09	4.12	0.99	
04:55:30	-0.24	-0.13	4.11	1.00	
04:59:10	-0.26	-0.12	4.08	0.98	
05:02:51	-0.17	0.09	4.07	0.99	
05:06:36	-0.15	0.01	3.98	1.00	
05:10:17	0.02	0.20	3.97	1.00	
05:13:59	0.10	-0.02	4.00	1.00	
05:17:40	0.19	0.31	3.95	1.00	
05:21:21	0.30	0.10	3.94	0.99	
05:25:01	0.34	0.02	4.05	0.99	
05:28:42	0.30	-0.07	3.99	0.99	
05:32:23	0.38	0.08	3.94	0.98	
05:36:03	0.31	-0.24	4.05	0.99	
05:39:44	0.08	-0.20	4.12	0.99	
05:43:25	0.05	0.09	3.94	0.98	
05:47:16	-0.01	-0.07	4.04	0.99	
05:50:57	-0.18	-0.07	4.03	1.00	
05:54:37	-0.15	0.03	3.99	1.00	
05:58:18	-0.06	-0.02	3.94	0.99	
06:01:59	-0.03	-0.16	3.99	0.99	
06:05:39	-0.11	-0.13	4.02	1.00	
06:09:20	-0.07	0.01	4.13	0.99	
06:13:01	-0.22	-0.13	4.15	0.99	
06:16:41	-0.34	-0.07	4.19	0.99	
06:20:22	-0.47	-0.06	4.30	0.99	
06:24:04	-0.48	-0.03	4.35	0.99	
06:27:43	-0.53	-0.15	4.36	1.00	
06:31:24	-0.29	0.23	4.57	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
06:35:04	-0.01	0.22	4.71	0.99	
06:38:45	0.19	0.17	4.78	0.99	
06:42:26	0.24	0.27	4.92	0.99	
06:46:08	0.31	0.10	5.18	0.99	
06:59:20	-0.04	-0.16	5.11	0.99	
07:04:03					CALIBRATION
07:08:52				0.99	
07:12:32	-0.27	-0.00		1.00	
07:16:15	-0.29	0.00		1.00	
07:19:56	-0.35	-0.24		1.00	
07:23:38	-0.34	0.13	5.26	1.00	
07:27:17	-0.14	0.20	5.12	0.99	
07:30:59	0.00	-0.03	5.04	0.99	
07:34:38	-0.08	-0.13	4.92	0.99	
07:38:25	0.09	0.21	4.85	0.99	
07:42:06	-0.07	-0.14	4.76	1.00	
07:45:47	-0.18	-0.15	4.80	1.00	
07:49:27	-0.34	-0.18	5.06	1.00	
07:53:08	-0.45	-0.00	5.33	1.00	
07:56:50	-0.78	-0.17	5.59	0.99	
08:00:32	-0.72	0.13	5.83	1.00	
08:04:11	-0.51	0.09	6.03	1.00	
08:07:52	-0.33	0.21	5.99	0.99	
08:11:32	-0.16	0.14	6.17	1.00	
08:15:11	0.25	0.18	6.40	0.99	
08:18:52	0.21	0.01	6.41	1.00	
08:22:32	0.13	0.07	6.61	1.00	
08:26:12	0.22	0.14	6.78	1.00	
08:29:52	0.24	0.06	6.77	1.00	
08:33:33	0.03	-0.21	6.70	1.00	
08:37:12	-0.00	-0.18	6.90	1.00	
08:40:52	-0.04	-0.07	6.90	0.99	
08:44:44	-0.18	-0.03	6.96	0.99	
08:48:23	-0.12	0.08	7.14	1.00	
08:52:04	-0.05	0.18	7.31	1.00	
08:55:45	0.08	0.33	7.43	1.00	
08:59:25	0.17	0.01	7.54	1.00	
09:03:11	0.08	0.01	7.59	0.99	
09:06:52	0.11	-0.23	7.42	1.00	
09:10:34	0.21	0.09	7.42	0.99	
09:14:14	0.19	-0.33	7.25	0.99	
09:17:54	0.13	-0.07	7.30	0.98	
09:21:38	0.17	-0.23	7.41	0.99	
09:25:18	-0.04	-0.04	7.60	1.00	
09:28:58	-0.27	-0.21	7.73	1.00	
09:32:38	-0.31	0.07	8.24	0.99	
09:36:19	-0.30	-0.07	8.53	1.00	
09:40:01	-0.36	0.01	8.79	0.99	
09:43:42	-0.39	0.11	9.10	1.00	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
09:47:24	-0.15	0.08	9.32	0.99	
09:51:05	-0.01	0.19	9.38	1.00	
09:54:46	-0.06	0.03	9.34	1.00	
09:58:27	0.05	0.10	9.16	1.00	
10:02:09	0.22	0.11	8.27	0.99	
10:05:57	0.14	-0.04	8.25	1.00	
10:09:39	0.05	-0.03	8.16	1.00	
10:13:20	0.00	-0.09	8.32	1.00	
10:17:01	-0.10	-0.29	8.51	1.00	
10:20:54	-0.06	-0.25	9.48	0.99	
10:24:35	-0.23	-0.20	9.51	1.00	
10:28:16	-0.22	-0.13	9.54	0.98	
10:31:58	0.00	0.13	9.41	0.98	
10:35:39	0.15	0.13	9.35	0.99	
10:39:20	0.17	0.22	9.09	0.99	
10:43:01	0.22	0.27	8.95	0.99	
10:46:43	0.13	0.08	8.62	0.99	
10:50:24	0.04	-0.01	8.25	0.99	
10:54:05	-0.08	0.15	7.96	0.99	
10:57:47	-0.21	-0.14	7.90	1.00	
11:01:28	-0.31	-0.14	7.92	1.00	
11:05:09	-0.25	0.03	8.11	1.00	
11:08:50	-0.30	0.09	8.28	1.00	
11:12:31	-0.17	0.00	8.18	0.99	
11:16:12	-0.11	-0.07	8.12	0.99	
11:19:54	0.04	0.07	7.86	1.00	
11:23:39	0.08	-0.14	7.62	0.99	
11:27:20	0.16	-0.08	7.60	1.00	
11:31:01	0.13	-0.03	7.86	0.99	
11:34:43	0.19	0.21	7.93	0.99	
11:38:24	0.18	-0.07	8.10	1.00	
11:42:05	0.12	0.07	8.12	0.99	
11:45:45	0.02	0.02	7.91	0.99	
11:49:26	0.09	0.07	7.67	1.00	
11:53:07	0.06	0.11	7.31	1.00	
11:56:48	0.01	0.07	7.08	0.99	
12:00:39	0.00	0.06	7.00	1.00	
12:04:19	-0.05	0.05	7.16	1.00	
12:08:00	-0.21	-0.19	7.50	0.99	
12:11:41	-0.47	-0.28	7.82	0.99	
12:15:22	-0.40	-0.01	8.01	0.99	
12:19:10	-0.32	-0.06	8.24	0.99	
12:22:51	-0.11	0.02	8.12	0.98	
12:26:32	0.04	0.22	8.05	0.98	
12:30:13	0.24	0.07	7.98	0.99	
12:33:53	0.37	-0.14	8.02	1.00	
12:38:47	0.32	-0.15	8.03	0.99	
12:42:28	0.21	-0.26	8.35	0.99	
12:46:13	0.17	-0.00	8.69	1.00	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
12:49:54	0.20	-0.07	9.00	0.99	
12:53:35	0.07	0.15	9.46	0.99	
12:57:17	0.12	-0.00	9.85	0.99	
13:00:58	0.05	0.03	10.17	0.99	
13:04:39	-0.03	-0.19	10.38	0.99	
13:08:20	-0.12	0.01	10.87	0.99	
13:12:02	-0.06	-0.03	11.12	0.99	
13:15:43	-0.15	0.09	11.26	0.99	
13:19:24	0.09	0.21	11.48	0.99	
13:23:09	0.13	0.26	11.62	1.00	
13:26:49	0.30	0.15	11.72	1.00	
13:30:32	0.41	-0.02	11.61	1.00	
13:34:13	0.56	0.09	11.80	1.00	
13:38:03	0.47	0.00	11.76	1.00	
13:41:44	0.48	-0.22	11.65	0.99	
13:45:26	0.45	0.06	11.72	0.99	
13:49:09	0.29	0.08	11.91	1.00	
13:52:51	0.31	-0.13	11.84	1.00	
13:56:33	0.10	-0.11	11.74	1.00	
14:00:14	0.13	-0.05	12.00	0.99	
14:03:56	0.09	-0.22	11.70	1.00	
14:07:37	0.28	-0.07	11.92	1.00	
14:11:19	0.33	-0.03	12.06	1.00	
14:15:02	0.63	-0.07	12.56	0.99	
14:18:42	0.62	-0.16	12.55	0.99	
14:22:25	0.45	-0.13	12.92	1.00	
14:26:07	0.31	-0.10	12.93	1.00	
14:29:48	0.33	0.16	12.86	1.00	
14:33:30	0.29	-0.16	12.84	1.00	
14:37:11	0.34	0.13	12.82	1.00	
14:40:55	0.40	0.06	13.05	1.00	
14:44:35	0.35	-0.04	13.17	0.99	
14:48:18	0.18	-0.23	13.49	1.00	
14:51:59	0.21	0.22	13.76	1.00	
14:55:41	0.32	0.00	14.02	1.00	
14:59:23	0.43	0.03	14.18	1.00	
15:03:05	0.59	0.19	14.17	1.00	
15:06:46	0.72	0.11	14.16	1.00	
15:10:30	0.67	0.11	14.07	1.00	
15:14:26	0.70	0.33	14.17	0.99	
15:18:08	0.72	0.13	14.06	1.00	
15:21:50	0.60	0.00	13.91	1.00	
15:25:35	0.56	0.07	13.77	1.00	
15:29:18	0.42	-0.03	13.26	1.00	
15:33:04	0.19	-0.30	12.98	0.99	
15:36:48	0.08	-0.06	12.73	1.00	
15:40:29	-0.03	-0.09	12.56	1.00	
15:44:11	-0.13	0.06	12.41	1.00	
15:47:52	0.08	0.01	12.56	1.00	

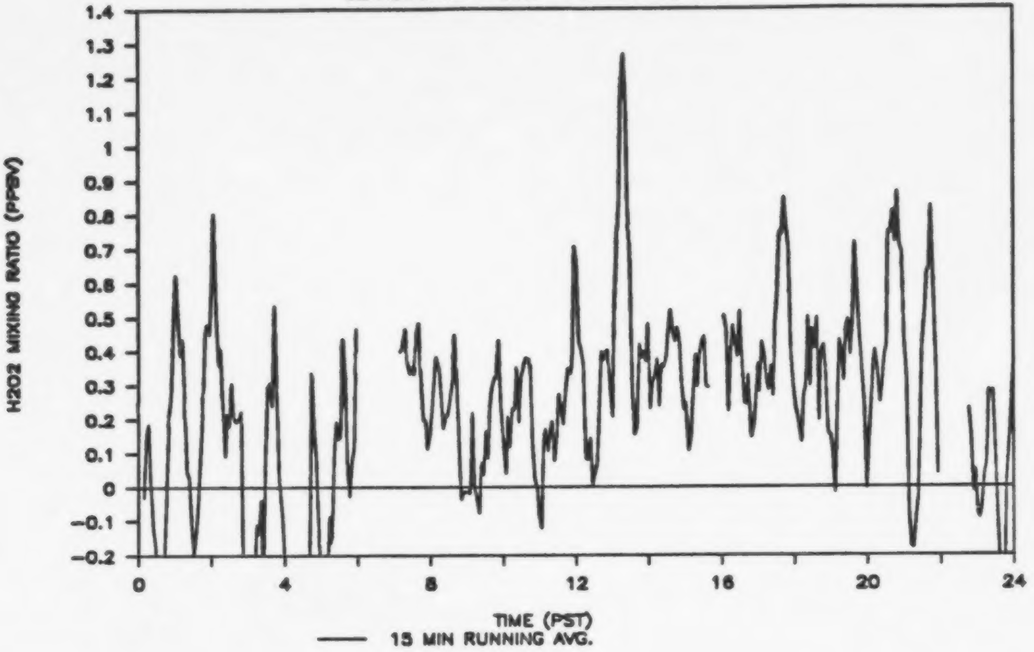
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
15:51:34	-0.03	-0.01	12.47	1.00	
15:55:15	-0.02	0.04	12.36	1.00	
15:58:57	-0.05	0.05	12.22	0.99	
16:02:38	-0.06	-0.05	12.23	1.00	
16:06:22	-0.17	-0.06	12.13	1.00	
16:10:04	-0.13	0.17	12.04	0.99	
16:13:46	0.07	-0.01	12.07	1.00	
16:17:26	0.12	-0.01	12.12	1.00	
16:21:09	0.13	0.00	12.20	1.00	
16:24:51	0.16	-0.03	12.32	1.00	
16:28:33	0.20	-0.15	12.33	1.00	
16:32:13	-0.03	0.02	12.32	1.00	
16:35:55	-0.03	0.03	12.45	0.99	
16:39:37	0.03	-0.05	12.44	1.00	
16:43:19	-0.00	-0.01	12.30	1.00	
16:47:10	-0.10	0.01	12.08	1.00	
16:50:50	0.10	0.11	11.80	1.00	
16:54:40	0.29	-0.11	11.52	1.00	
16:58:22	0.27	0.05	11.23	1.00	
17:02:02	0.33	0.00	11.20	1.00	
17:05:44	0.46	0.06	11.16	0.99	
17:09:26	0.37	-0.06	11.29	0.99	
17:13:08	0.25	0.05	11.35	1.00	
17:16:48	0.23	0.14	11.37	1.00	
17:20:30	0.15	-0.07	11.34	0.99	
17:24:16	0.23	0.11	11.44	0.99	
17:27:57	0.39	0.17	11.47	1.00	
17:31:40	0.46	0.13	11.38	0.99	
17:35:20	0.44	-0.19	11.57	1.00	
17:39:01	0.34	0.00	11.62	1.00	
17:42:44	0.28	-0.09	11.68	1.00	
17:46:26	0.11	-0.06	11.69	1.00	
17:50:06	0.11	-0.07	11.73	1.00	
17:53:48	-0.01	0.03	11.79	1.00	
17:57:30	-0.02	0.16	11.81	1.00	
18:01:12	0.09	0.02	11.90	0.99	
18:04:54	0.10	-0.06	11.96	1.00	
18:08:36	-0.12	-0.02	12.07	1.00	
18:12:17	-0.12	-0.16	12.06	1.00	
18:17:45	-0.12	-0.04	12.37	1.00	
18:21:25	-0.34	-0.09	12.53	1.00	
18:25:07	-0.47	-0.05	12.76	1.00	
18:28:49	-0.27	-0.04	12.97	1.00	
18:32:38	-0.01	0.11	13.00	1.00	
18:36:20	-0.08	0.07	12.82	1.00	
18:40:02	0.04	0.06	12.86	1.00	
18:43:46	0.12	0.02	12.68	1.00	
18:47:26	0.18	0.10	12.80	1.00	
18:51:09	0.03	0.01	12.93	1.00	

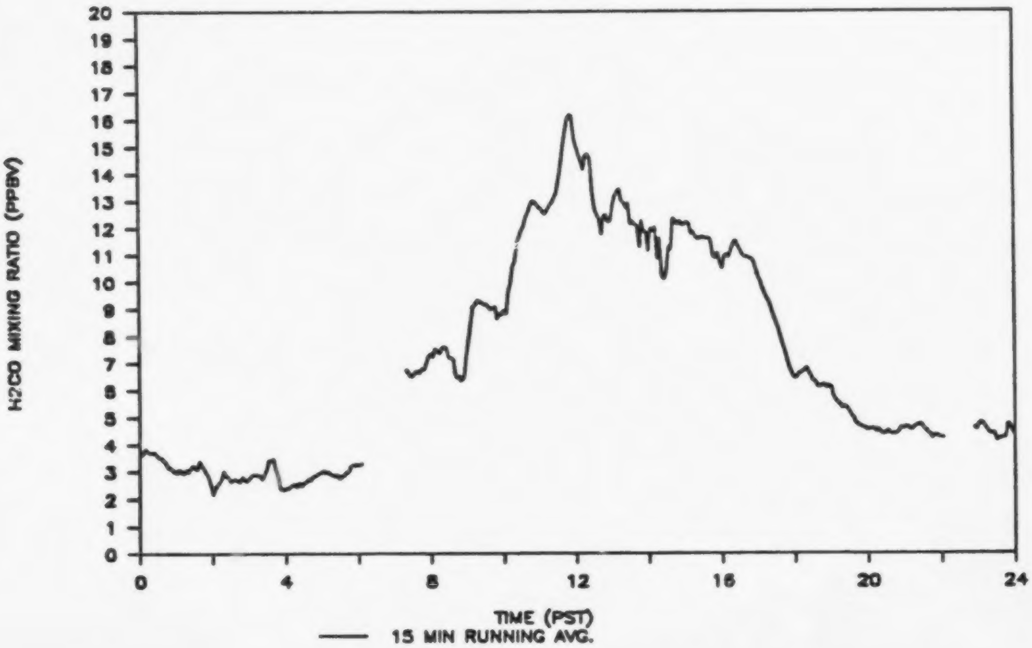
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
18:54:51	0.19	-0.03	13.02	1.00	
18:58:33	0.22	0.07	12.88	1.00	
19:02:13	0.15	-0.03	12.80	1.00	
19:05:55	0.03	-0.07	12.51	1.00	
19:09:39	0.02	0.03	12.17	1.00	
19:13:20	0.10	0.09	11.83	0.99	
19:17:02	0.12	-0.01	11.55	1.00	
19:20:44	0.21	-0.06	11.26	1.00	
19:24:26	0.13	0.01	10.99	0.99	
19:28:11	0.07	-0.05	10.87	1.00	
19:31:53	-0.17	-0.09	10.74	0.99	
19:35:35	-0.18	0.06	10.79	1.00	
19:39:16	-0.16	0.06	10.74	1.00	
19:42:57	-0.17	-0.02	10.67	1.00	
19:46:40	-0.22	0.05	10.42	1.00	
19:50:22	-0.12	0.02	10.09	1.00	
19:54:05	-0.17	-0.16	9.61	0.99	
19:57:46	-0.38	-0.02	9.28	1.00	
20:01:29	-0.24	0.05	9.08	0.99	
20:05:11	-0.25	-0.07	8.86	0.99	
20:09:02	-0.31	-0.09	8.99	1.00	
20:12:44	-0.36	0.05	8.95	0.99	
20:16:26	-0.22	0.05	8.99	1.00	
20:20:11	-0.28	-0.05	8.96	1.00	
20:23:54	-0.23	0.10	8.92	1.00	
20:27:35	-0.08	0.05	8.79	1.00	
20:31:18	-0.17	-0.01	8.72	0.99	
20:35:00	-0.17	-0.10	8.52	0.99	
20:38:42	-0.29	-0.08	8.03	0.99	
20:42:22	-0.18	-0.02	7.65	1.00	
20:46:07	-0.24	-0.07	7.12	1.00	
20:49:49	-0.12	-0.02	6.72	0.98	
20:53:29	-0.08	0.11	6.42	1.00	
20:57:11	-0.04	0.01	6.23	0.99	
21:00:53	-0.12	0.03	6.16	1.00	
21:04:35	-0.18	0.01	6.01	1.00	
21:08:18	-0.16	0.06	5.92	1.00	
21:12:00	-0.23	-0.15	5.70	1.00	
21:15:40	-0.18	0.14	5.68	1.00	
21:19:22	-0.02	0.10	5.55	1.00	
21:23:04	0.13	0.05	5.49	0.99	
21:26:49	0.11	-0.00	5.47	0.99	
21:30:31	0.10	-0.02	5.54	0.98	
21:34:13	-0.06	-0.12	5.62	1.00	
21:37:53	-0.29	-0.05	5.57	0.97	
21:41:35	-0.26	-0.01	5.64	0.99	
21:45:17	-0.22	0.00	5.66	0.99	
21:49:07	-0.11	0.22	5.70	0.98	
21:52:47	0.22	0.19	5.55	0.97	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
21:56:30	0.29	0.03	5.68	0.98	
22:00:11	0.16	0.09	5.58	0.98	
22:03:52	0.16	0.06	5.56	0.98	
22:07:34	0.20	-0.26	5.36	1.00	
22:11:18	0.04	-0.16	5.40	0.99	
22:15:01	0.21	-0.12	5.11	0.99	
22:18:45	0.14	-0.11	5.00	0.98	
22:22:28	0.08	-0.13	4.74	1.00	
22:26:11	-0.13	-0.13	4.62	0.99	
22:29:55	-0.09	-0.03	4.40	0.97	
22:33:38	-0.13	-0.11	4.32	0.98	
22:37:20	-0.02	-0.02	4.28	0.98	
22:41:05	0.07	0.10	4.29	0.99	
22:44:48	0.13	0.19	4.41	0.99	
22:48:31	0.00	0.14	4.59	0.99	
22:52:04			4.84	0.99	
22:55:46	0.01	0.10	5.01	0.99	
22:59:28	-0.03	0.06	5.17	0.99	
23:03:10	-0.21	-0.10	5.20	0.99	
23:06:52	-0.18	0.06	5.20	1.00	
23:10:35	-0.17	-0.03	4.97	0.97	
23:14:17	-0.27	-0.02	4.95	1.00	
23:19:10	-0.44	-0.05	4.77	0.98	
23:22:53	-0.32	0.06	4.82	0.99	
23:26:46	-0.45	0.07	4.58	0.99	
23:30:31	-0.28	0.16	4.56	0.98	
23:34:13	-0.29	0.06	4.18	0.95	
23:37:55	-0.14	0.12	3.96	0.97	
23:41:35	-0.12	0.10	3.65	1.00	
23:45:17	0.08	0.01	3.49	0.98	
23:48:59	-0.06	-0.20	3.49	0.96	
23:52:41	0.09	0.09	3.55	0.98	
23:56:21	0.13	-0.04	3.54	0.97	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 26, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 26, 1987
JULIAN DATE: 238

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
14:40:56					CALIBRATION
01:00:49			3.72	0.94	
01:04:30			3.63	0.93	
01:09:21	-0.03	0.15	3.86	0.96	
01:13:01	0.15	0.11	3.75	0.98	
01:16:40	0.19	-0.00	3.68	0.94	
01:20:19	0.01	-0.05	3.69	0.96	
01:23:59	-0.12	0.09	3.73	0.93	
01:27:38	-0.17	-0.35	3.60	0.97	
01:31:17	-0.39	-0.10	3.52	0.94	
01:34:56	-0.40	-0.30	3.52	0.97	
01:38:36	-0.33	-0.17	3.41	0.95	
01:42:20	-0.21	0.33	3.35	0.92	
01:45:59	-0.02	0.38	3.18	0.95	
01:49:39	0.20	-0.02	3.15	0.93	
01:53:21	0.27	0.28	3.08	0.98	
01:57:12	0.48	-0.06	3.01	0.95	
02:00:52	0.62	-0.30	2.97	0.97	
02:04:35	0.50	-0.32	3.08	0.96	
02:08:17	0.39	0.02	3.00	0.96	
02:11:59	0.44	0.00	2.94	0.96	
02:15:40	0.24	-0.01	3.07	0.95	
02:19:23	0.04	-0.16	3.01	0.96	
02:23:05	0.03	0.20	3.10	0.96	
02:26:47	-0.11	0.06	3.23	0.97	
02:30:27	-0.20	-0.01	3.17	0.91	
02:34:07	-0.14	0.14	3.08	0.96	
02:37:48	-0.04	0.02	3.40	0.94	
02:41:28	0.06	-0.12	3.25	0.99	
02:45:08	0.22	0.06	3.12	0.95	
02:48:52	0.45	-0.05	2.95	0.91	
02:52:38	0.48	0.06	2.89	0.95	
02:56:18	0.45	0.25	2.53	0.93	
03:00:00	0.61	0.56	2.19	0.94	
03:03:40	0.80	-0.03	2.37	0.99	
03:07:21	0.50	0.06	2.53	0.90	
03:11:02	0.36	0.10	2.63	0.95	
03:14:44	0.41	-0.07	2.70	0.92	
03:18:24	0.26	-0.08	3.03	0.97	
03:22:05	0.09	0.05	2.81	0.92	
03:25:46	0.21	0.04	2.82	0.95	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
03:29:27	0.18	0.11	2.63	0.93	
03:33:07	0.31	0.04	2.69	0.97	
03:36:58	0.20	-0.17	2.74	0.95	
03:40:47	0.19	-0.01	2.68	0.90	
03:44:31	0.20	-0.07	2.63	0.91	
03:48:09	0.22	-0.12	2.81	0.96	
03:51:50	-0.20	0.01	2.73	0.93	
03:55:31	-0.39	-0.21	2.65	0.95	
03:59:11	-0.41	-0.08	2.75	0.90	
04:02:51	-0.50	-0.03	2.84	0.96	
04:06:32	-0.38	-0.19	2.90	0.97	
04:10:14	-0.37	-0.29	2.91	0.97	
04:13:55	-0.11	-0.06	2.89	0.89	
04:17:36	-0.14	0.01	2.85	0.91	
04:21:16	-0.04	-0.21	2.74	0.93	
04:24:57	-0.34	-0.01	2.93	0.98	
04:28:38	0.09	0.22	3.09	0.97	
04:32:18	0.29	-0.11	3.41	0.99	
04:35:59	0.31	-0.17	3.42	0.94	
04:39:39	0.24	0.15	3.48	0.95	
04:43:20	0.53	0.11	3.09	0.93	
04:47:01	0.28	-0.21	2.83	0.91	
04:50:43	0.03	0.10	2.39	0.80	
04:56:09	-0.09	-0.03	2.36	0.89	
04:59:50	-0.24	-0.18	2.38	0.95	
05:03:32	-0.45	-0.44	2.38	0.92	
05:07:13	-0.57	-0.11	2.45	0.98	
05:10:54	-0.73	-0.13	2.54	0.91	
05:14:43	-0.60	-0.07	2.55	0.97	
05:18:24	-0.65	-0.01	2.46	0.94	
05:22:06	-0.45	0.27	2.58	0.96	
05:25:47	-0.73	0.13	2.49	0.95	
05:29:28	-0.59	0.11	2.59	0.97	
05:33:09	-0.68	0.06	2.63	0.94	
05:36:49	-0.45	-0.11	2.73	0.96	
05:40:30	-0.39	0.07	2.70	0.94	
05:44:15	0.34	-0.18	2.82	0.92	
05:47:55	0.18	-0.16	2.85	0.96	
05:51:36	0.09	0.10	2.91	0.98	
05:55:17	-0.08	0.18	2.94	0.97	
05:58:59	-0.27	-0.18	2.99	0.95	
06:02:40	-0.70	0.43	3.05	0.98	
06:06:21	-0.50	0.57	2.97	0.97	
06:10:01	-0.28	0.16	3.00	0.92	
06:13:42	-0.09	0.18	2.92	0.95	
06:17:23	-0.16	0.41	2.88	0.96	
06:21:03	0.11	0.15	2.85	0.92	
06:24:44	0.19	-0.20	2.91	0.97	
06:28:24	0.14	0.10	2.76	0.91	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
06:32:05	0.15	0.25	2.84	0.95	
06:35:46	0.44	0.14	2.89	0.95	
06:39:26	0.38	0.01	2.99	0.97	
06:43:07	0.05	0.09	3.01	0.94	
06:46:52	-0.03	0.09	3.20	0.95	
06:50:50	0.08	0.06	3.26	0.96	
06:54:29	0.11	-0.02	3.27	0.97	
06:58:09	0.47	-0.01	3.26	0.96	
07:01:50			3.25	0.93	
07:05:30			3.30	0.98	
07:50:57					CALIBRATION
08:04:07				1.00	
08:07:47				1.00	
08:11:26	0.40	-0.07		1.00	
08:15:06	0.41	-0.02		1.00	
08:18:45	0.47	-0.08	6.75	1.00	
08:22:25	0.37	0.04	6.66	1.00	
08:26:03	0.33	0.00	6.51	1.00	
08:29:44	0.35	0.00	6.50	1.00	
08:33:23	0.33	0.03	6.68	0.99	
08:37:08	0.45	-0.04	6.71	0.99	
08:40:48	0.48	-0.05	6.64	1.00	
08:44:27	0.31	-0.00	6.80	1.00	
08:48:08	0.20	0.18	6.75	1.00	
08:51:48	0.20	-0.00	7.02	0.99	
08:55:27	0.11	0.10	7.24	0.99	
08:59:08	0.16	-0.00	7.34	0.99	
09:02:48	0.24	-0.00	7.22	0.99	
09:06:27	0.32	-0.01	7.53	0.99	
09:10:08	0.38	-0.07	7.46	1.00	
09:13:49	0.36	0.01	7.36	1.00	
09:17:30	0.29	-0.08	7.54	1.00	
09:21:09	0.17	-0.13	7.60	0.99	
09:24:50	0.21	-0.08	7.54	1.00	
09:28:30	0.21	0.02	7.22	0.99	
09:32:09	0.25	0.06	7.20	1.00	
09:35:57	0.32	0.11	7.15	0.98	
09:39:38	0.45	0.09	6.60	0.99	
09:43:17	0.33	-0.04	6.47	0.99	
09:46:58	0.14	-0.05	6.50	1.00	
09:50:39	-0.04	-0.23	6.25	1.00	
09:54:19	-0.02	0.02	6.46	1.00	
09:57:58	-0.02	-0.09	7.29	1.00	
10:01:39	-0.01	0.04	7.88	1.00	
10:05:18	-0.02	-0.08	8.46	0.99	
10:08:58	0.22	0.12	9.08	1.00	
10:12:39	-0.00	-0.09	9.14	0.99	
10:16:18	-0.04	0.00	9.34	1.00	
10:19:58	-0.07	-0.04	9.29	0.99	

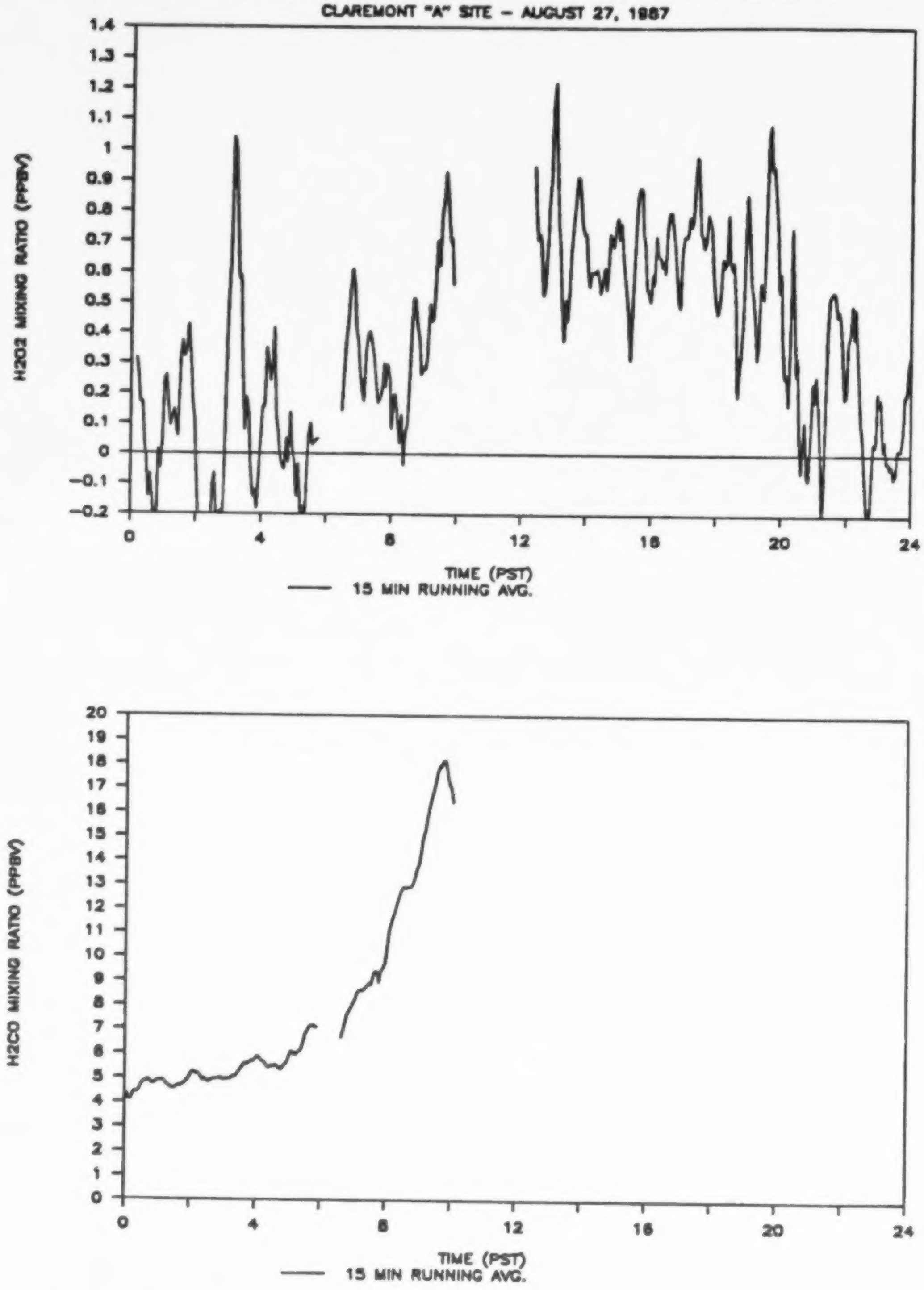
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
10:23:40	0.07	0.24	9.23	0.99	
10:27:20	0.04	-0.09	9.17	0.99	
10:30:59	0.16	0.09	9.19	1.00	
10:34:40	0.09	0.05	9.07	0.99	
10:38:24	0.23	0.03	8.98	0.99	
10:42:03	0.29	-0.07	9.03	0.99	
10:45:44	0.32	0.13	9.08	0.99	
10:49:24	0.32	-0.05	8.65	0.99	
10:53:04	0.43	-0.13	8.82	0.99	
10:56:44	0.24	-0.14	8.80	0.99	
11:00:25	0.13	0.11	8.94	0.98	
11:04:06	0.04	0.10	8.84	0.99	
11:07:45	0.21	-0.03	9.64	0.99	
11:11:36	0.12	0.04	9.93	0.99	
11:15:15	0.23	0.08	10.58	0.99	
11:18:56	0.23	0.02	10.74	0.99	
11:22:36	0.35	-0.22	11.44	0.99	
11:26:15	0.19	0.05	11.67	0.99	
11:29:56	0.33	0.20	11.90	0.99	
11:33:41	0.35	0.08	12.06	0.99	
11:37:21	0.38	-0.07	12.41	0.99	
11:41:00	0.37	0.23	12.56	0.99	
11:44:41	0.38	-0.01	12.81	0.99	
11:48:20	0.13	-0.26	13.00	1.00	
11:52:00	0.02	-0.11	12.99	0.99	
11:55:41	-0.00	-0.16	12.87	0.99	
11:59:20	-0.09	-0.20	12.75	0.99	
12:03:00	-0.12	-0.03	12.69	0.99	
12:06:41	0.15	0.13	12.54	0.99	
12:10:20	0.17	-0.09	12.51	1.00	
12:14:00	0.11	0.15	12.73	1.00	
12:17:41	0.18	-0.06	12.89	0.99	
12:21:20	0.19	0.00	12.95	1.00	
12:25:01	0.08	0.00	13.14	0.99	
12:28:41	0.14	0.16	13.33	0.99	
12:32:20	0.27	-0.02	13.81	1.00	
12:36:05	0.22	0.05	14.46	0.99	
12:39:43	0.18	0.02	15.01	0.99	
12:43:14	0.28	-0.05	15.55	0.99	
12:47:05	0.35	0.02	16.04	0.99	
12:50:54	0.33	-0.05	16.20	0.99	
12:54:35	0.37	0.28	16.12	1.00	
12:58:16	0.71	0.25	15.30	1.00	
13:01:55	0.66	0.00	14.99	0.99	
13:05:36	0.43	-0.16	14.73	1.00	
13:09:16	0.40	0.03	14.51	1.00	
13:12:58	0.36	-0.34	14.17	0.99	
13:16:38	0.08	-0.19	14.70	0.99	
13:20:17	0.08	0.00	14.74	1.00	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
13:23:58	0.14	-0.10	14.55	0.99	
13:27:39	0.01	0.05	13.30	0.99	
13:31:18	0.04	0.16	12.69	1.00	
13:34:58	0.07	0.08	12.49	1.00	
13:38:39	0.22	0.30	12.32	0.99	
13:42:20	0.40	0.28	11.77	1.00	
13:45:59	0.37	-0.03	12.45	0.99	
13:49:40	0.40	0.06	12.49	1.00	
13:53:20	0.40	-0.08	12.22	1.00	
13:57:00	0.28	-0.32	12.25	1.00	
14:00:40	0.21	-0.09	12.85	0.99	
14:04:21	0.51	0.18	13.14	0.99	
14:08:00	0.71	-0.02	13.35	1.00	
14:11:48	0.85	0.13	13.43	0.99	
14:15:28	1.16	0.26	13.03	1.00	
14:19:07	1.27	0.05	12.91	1.00	
14:22:48	1.12	-0.34	12.74	1.00	
14:26:37	0.82	-0.20	12.92	1.00	
14:30:18	0.69	-0.22	12.13	1.00	
14:33:58	0.29	-0.23	12.23	1.00	
14:37:41	0.16	-0.14	12.11	0.99	
14:41:21	0.18	0.20	12.08	0.99	
14:45:00	0.42	0.19	11.29	1.00	
14:48:41	0.38	-0.05	12.26	1.00	
14:52:21	0.40	0.10	11.85	0.99	
14:56:00	0.37	0.09	11.88	0.99	
14:59:41	0.48	-0.11	11.16	0.99	
15:03:20	0.23	-0.12	11.96	0.99	
15:07:00	0.30	0.19	11.89	1.00	
15:10:41	0.33	0.01	12.03	0.99	
15:14:20	0.38	-0.01	10.86	0.99	
15:18:00	0.24	0.34	11.63	0.99	
15:21:41	0.36	0.24	10.22	0.99	
15:25:29	0.35	-0.04	10.12	0.99	
15:29:08	0.38	0.09	10.34	0.99	
15:32:53	0.45	0.07	11.30	0.99	
15:36:33	0.52	-0.24	11.19	0.99	
15:40:12	0.46	-0.18	12.34	0.99	
15:43:53	0.43	0.16	12.24	0.99	
15:47:34	0.47	-0.07	12.12	1.00	
15:51:19	0.43	0.02	12.24	0.99	
15:55:01	0.30	-0.01	12.09	0.99	
15:58:41	0.23	0.03	12.13	0.99	
16:02:21	0.24	-0.03	12.19	0.99	
16:06:09	0.11	-0.20	12.15	0.99	
16:09:48	0.15	-0.09	11.79	0.99	
16:13:30	0.24	-0.05	11.86	0.99	
16:17:10	0.39	-0.01	11.66	0.99	
16:20:50	0.29	-0.16	11.58	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
16:24:31	0.39	0.07	11.60	0.99	
16:28:11	0.42	0.11	11.66	0.99	
16:31:51	0.44	-0.00	11.62	0.99	
16:35:35	0.30	-0.03	11.62	1.00	
16:39:13	0.29	0.03	11.63	0.99	
16:42:54			11.51	1.00	
16:46:34			10.96	0.99	
16:50:14			10.89	1.00	CALIBRATION
16:53:53			11.07	1.00	SPIKE
16:57:35			10.72	1.00	
17:01:15			10.51	0.99	
17:04:54	0.50	-0.03	10.97	0.99	
17:08:34	0.47	-0.17	11.00	1.00	
17:12:16	0.22	0.01	10.90	1.00	
17:15:56	0.39	0.19	11.19	0.99	
17:19:35	0.47	0.18	11.42	1.00	
17:23:15	0.42	-0.03	11.51	1.00	
17:26:57	0.38	0.12	11.33	1.00	
17:30:37	0.52	-0.09	11.18	1.00	
17:34:16	0.37	-0.09	10.99	1.00	
17:37:56	0.25	0.02	10.93	0.99	
17:41:46	0.24	0.07	10.93	0.99	
17:45:26	0.33	-0.07	10.87	0.99	
17:49:07	0.15	0.05	10.84	1.00	
17:52:47	0.18	0.13	10.75	1.00	
17:56:27	0.22	-0.03	10.50	0.99	
18:00:06	0.36	0.08	10.17	0.99	
18:03:46	0.28	0.03	10.04	1.00	
18:07:26	0.43	-0.04	9.78	0.99	
18:11:07	0.39	-0.17	9.53	0.99	
18:14:47	0.31	-0.09	9.38	0.99	
18:18:27	0.28	0.03	9.26	0.99	
18:22:06	0.36	0.03	8.97	0.99	
18:25:46	0.27	0.12	8.73	0.99	
18:29:26	0.48	0.00	8.52	0.99	
18:33:07	0.57	0.20	8.27	1.00	
18:36:50	0.75	-0.11	7.94	0.99	
18:40:30	0.74	-0.00	7.68	0.99	
18:44:11	0.85	0.05	7.40	0.99	
18:47:51	0.76	0.04	7.08	0.99	
18:51:31	0.71	-0.06	6.82	0.99	
18:55:10	0.39	-0.02	6.62	0.96	
18:58:50	0.30	-0.06	6.46	0.98	
19:02:31	0.23	0.09	6.46	0.99	
19:07:56	0.19	0.12	6.63	1.00	
19:11:35	0.13	-0.26	6.65	1.00	
19:15:15	0.26	0.18	6.74	1.00	
19:19:07	0.30	0.08	6.83	1.00	
19:22:47	0.50	-0.08	6.67	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
19:26:27	0.30	-0.18	6.47	1.00	
19:30:11	0.46	0.20	6.36	0.99	
19:33:51	0.40	-0.09	6.32	1.00	
19:37:31	0.50	-0.13	6.12	0.99	
19:41:10	0.20	0.05	6.13	0.99	
19:44:52	0.40	0.16	6.17	1.00	
19:48:32	0.42	0.26	6.20	1.00	
19:52:12	0.34	-0.16	6.08	1.00	
19:55:52	0.16	-0.07	6.16	1.00	
19:59:33	0.15	-0.26	6.08	0.99	
20:03:13	0.10	-0.08	5.79	1.00	
20:06:53	-0.02	-0.37	5.63	1.00	
20:10:35	0.20	0.19	5.55	1.00	
20:14:14	0.43	0.11	5.46	1.00	
20:17:56	0.40	0.00	5.35	1.00	
20:21:36	0.31	0.01	5.40	1.00	
20:25:16	0.47	0.22	5.34	0.99	
20:28:58	0.49	-0.10	5.23	1.00	
20:32:37	0.39	-0.08	5.05	0.99	
20:36:22	0.49	0.11	4.98	1.00	
20:40:01	0.72	0.05	4.78	0.99	
20:43:41	0.58	0.03	4.71	0.99	
20:47:21	0.45	0.01	4.66	0.99	
20:51:00	0.35	-0.05	4.62	1.00	
20:54:40	0.25	-0.10	4.61	1.00	
20:58:30	-0.00	0.01	4.52	0.99	
21:02:10	0.14	0.14	4.58	0.99	
21:05:49	0.24	-0.10	4.57	0.97	
21:09:29	0.36	0.17	4.59	0.99	
21:13:09	0.40	-0.16	4.46	0.98	
21:16:50	0.35	-0.11	4.58	1.00	
21:20:30	0.25	-0.23	4.43	0.99	
21:24:10	0.29	0.23	4.39	0.98	
21:27:49	0.37	-0.05	4.38	0.99	
21:31:29	0.42	0.29	4.51	0.99	
21:35:09	0.75	0.09	4.45	0.99	
21:38:50	0.75	-0.04	4.38	0.98	
21:42:30	0.81	-0.15	4.39	1.00	
21:46:10	0.72	0.07	4.40	0.99	
21:49:51	0.86	0.02	4.44	0.99	
21:53:31	0.71	0.02	4.62	0.98	
21:57:11	0.69	0.11	4.60	0.99	
22:00:50	0.42	-0.02	4.66	0.99	
22:04:30	0.32	-0.15	4.66	0.99	
22:08:10	-0.07	-0.19	4.57	0.99	
22:11:51	-0.18	-0.21	4.54	0.99	
22:15:31	-0.18	-0.28	4.66	0.99	
22:19:11	-0.09	0.12	4.71	0.99	
22:22:50	-0.03	0.07	4.72	1.00	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
22:26:30	0.21	0.08	4.76	0.99	
22:30:11	0.41	0.20	4.62	0.99	
22:34:00	0.51	0.39	4.51	0.98	
22:37:44	0.63	-0.05	4.43	0.99	
22:41:24	0.64	0.10	4.37	0.98	
22:45:04	0.82	0.13	4.25	0.99	
22:48:43	0.63	-0.13	4.35	0.99	
22:52:23	0.34	-0.26	4.34	0.96	
22:56:03	0.04	-0.11	4.27	0.98	
22:59:44			4.27	0.98	
23:03:24			4.24	0.99	CALIBRATION
23:25:51					
23:39:34				1.00	
23:43:16				0.98	
23:46:56	0.23	0.02		0.99	
23:50:36	0.15	-0.03		0.99	
23:54:20	-0.01	0.03	4.63	0.99	
23:58:00	0.05	0.09	4.55	0.98	
00:00:48	-0.07	0.01	4.72	0.99	
00:04:31	-0.09	-0.00	4.82	0.99	
00:08:10	-0.05	0.06	4.74	0.99	
00:11:49	0.03	-0.07	4.63	0.96	
00:15:29	0.07	0.07	4.51	0.98	
00:19:10	0.28	-0.10	4.40	0.99	
00:22:50	0.27	-0.07	4.39	0.99	
00:26:28	0.28	-0.06	4.42	0.98	
00:30:08	0.10	-0.04	4.14	0.96	
00:33:47	-0.10	-0.10	4.20	0.99	
00:37:27	-0.25	0.02	4.21	1.00	
00:41:06	-0.36	0.09	4.26	0.99	
00:44:47	-0.35	0.18	4.24	0.99	
00:48:27	0.01	0.29	4.74	0.99	
00:52:06	0.14	0.08	4.70	0.99	
00:55:45	0.23	0.08	4.43	0.95	
00:59:26	0.36	0.11	4.33	0.99	



SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 27, 1987

PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 27, 1987
JULIAN DATE: 239

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
01:03:10			4.32	0.99	
01:06:48			4.09	1.00	
01:10:37	0.32	0.06	4.09	1.00	
01:14:17	0.25	-0.03	4.35	0.99	
01:17:57	0.17	-0.06	4.39	0.99	
01:21:36	0.17	-0.01	4.40	0.99	
01:25:16	0.03	-0.08	4.48	0.99	
01:28:56	-0.01	-0.09	4.64	0.99	
01:32:37	-0.14	0.10	4.79	0.99	
01:36:16	-0.07	-0.06	4.82	0.99	
01:39:56	-0.15	0.08	4.89	0.99	
01:43:36	-0.29	-0.13	4.90	0.99	
01:47:16	-0.28	0.07	4.80	0.99	
01:50:56	0.01	-0.07	4.73	0.99	
01:54:36	-0.05	-0.02	4.77	0.99	
01:58:17	0.04	-0.16	4.84	1.00	
02:01:57	0.25	0.16	4.90	0.99	
02:05:39	0.26	-0.18	4.90	0.99	
02:09:20	0.17	-0.10	4.89	1.00	
02:13:01	0.03	0.09	4.82	1.00	
02:16:43	0.12	0.06	4.71	0.99	
02:20:26	0.15	0.01	4.65	0.99	
02:24:06	0.08	0.02	4.60	1.00	
02:27:47	0.06	0.03	4.54	0.99	
02:31:26	0.33	0.02	4.57	0.99	
02:35:06	0.37	-0.01	4.63	0.99	
02:38:45	0.32	-0.16	4.66	0.99	
02:42:26	0.34	0.07	4.64	0.99	
02:46:17	0.43	-0.07	4.72	0.99	
02:49:56	0.33	-0.07	4.76	1.00	
02:53:36	0.17	-0.11	4.88	0.99	
02:57:17	0.11	-0.06	4.94	0.99	
03:00:56	-0.03	-0.12	5.12	0.98	
03:04:40	-0.26	-0.14	5.23	0.99	
03:08:20	-0.39	-0.09	5.19	0.98	
03:12:00	-0.43	-0.04	5.14	1.00	
03:15:40	-0.51	0.04	5.16	0.99	
03:19:19	-0.41	0.10	5.00	0.98	
03:23:00	-0.30	0.14	4.87	0.99	
03:26:39	-0.30	0.05	4.94	0.99	
03:30:20	-0.10	0.22	4.86	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
03:34:03	-0.06	-0.01	4.81	0.99	
03:37:43	-0.20	-0.09	4.86	0.99	
03:41:24	-0.25	0.13	4.95	0.99	
03:45:06	-0.19	0.00	4.93	1.00	
03:48:46	-0.32	0.04	4.95	0.99	
03:52:31	-0.04	0.29	4.95	0.99	
03:56:12	0.29	0.37	4.99	0.98	
03:59:53	0.52	-0.02	4.90	0.99	
04:03:33	0.65	0.34	4.94	0.99	
04:07:13	1.04	0.10	4.91	1.00	
04:10:54	1.01	-0.12	4.95	0.99	
04:14:36	0.80	-0.39	4.96	0.99	
04:18:15	0.58	0.03	5.05	0.99	
04:21:56	0.59	-0.29	5.02	0.99	
04:25:45	0.28	-0.30	5.15	0.99	
04:29:26	0.08	-0.01	5.26	0.99	
04:33:06	0.19	0.07	5.36	0.99	
04:36:47	0.14	-0.05	5.48	1.00	
04:40:28	-0.04	-0.09	5.60	0.99	
04:44:10	-0.14	0.20	5.56	0.99	
04:47:51	-0.12	-0.14	5.58	0.99	
04:51:32	-0.18	0.15	5.70	1.00	
04:55:12	-0.08	0.05	5.65	0.99	
04:58:53	0.02	0.11	5.74	0.99	
05:02:38	0.16	-0.07	5.88	0.99	
05:06:16	0.15	0.14	5.84	0.99	
05:09:57	0.35	-0.01	5.68	0.99	
05:13:38	0.30	-0.09	5.68	0.99	
05:17:18	0.24	0.05	5.57	0.99	
05:20:59	0.28	-0.05	5.45	0.99	
05:24:39	0.41	0.05	5.42	0.99	
05:28:18	0.13	-0.13	5.49	0.99	
05:31:59	0.07	-0.12	5.47	0.99	
05:35:39	-0.01	-0.06	5.50	0.99	
05:39:20	-0.04	-0.01	5.50	0.99	
05:42:58	-0.05	0.08	5.38	0.98	
05:46:39	0.05	-0.05	5.33	0.99	
05:50:20	-0.03	0.03	5.44	0.99	
05:54:00	0.14	-0.10	5.56	1.00	
05:57:41	0.02	-0.00	5.63	0.99	
06:01:32	-0.02	-0.25	5.88	0.99	
06:05:11	-0.14	-0.09	6.08	0.99	
06:08:51	-0.03	0.07	6.05	0.98	
06:12:32	-0.20	-0.12	5.94	0.99	
06:16:13	-0.17	-0.07	6.01	0.99	
06:19:53	-0.28	0.11	6.09	0.99	
06:23:34	-0.09	0.25	6.16	1.00	
06:27:15	0.06	0.13	6.46	0.99	
06:30:55	0.10	0.18	6.79	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
06:34:34	0.03	-0.02	6.93	1.00	
06:38:14	0.04	-0.04	7.07	0.99	
06:41:55	0.05	0.04	7.15	0.99	
06:45:36	0.05	-0.06	7.14	0.99	
06:49:16			7.07	0.99	
06:52:57			7.07	0.99	
07:09:39					CALIBRATI
07:21:45				1.00	
07:25:30				1.00	
07:29:10	0.15	0.04		1.00	
07:32:51	0.25	0.02		1.00	
07:36:32	0.38	0.09	6.65	1.00	
07:40:12	0.44	0.03	6.94	1.00	
07:43:53	0.53	-0.06	7.20	1.00	
07:47:34	0.61	-0.06	7.60	1.00	
07:51:14	0.55	0.01	7.74	0.99	
07:54:53	0.42	-0.07	7.85	1.00	
07:58:33	0.38	-0.18	8.05	1.00	
08:02:12	0.27	-0.09	8.18	1.00	
08:05:53	0.21	0.06	8.44	1.00	
08:09:35	0.18	0.03	8.56	0.99	
08:13:15	0.34	0.05	8.61	1.00	
08:16:53	0.40	0.11	8.58	0.99	
08:20:32	0.40	0.01	8.67	1.00	
08:24:12	0.37	-0.09	8.76	0.99	
08:27:50	0.32	-0.08	8.89	1.00	
08:31:29	0.24	-0.09	8.82	0.99	
08:35:09	0.17	0.04	9.13	1.00	
08:38:50	0.18	0.16	9.37	1.00	
08:42:28	0.21	0.06	9.37	1.00	
08:46:06	0.30	0.09	8.92	1.00	
08:49:46	0.22	0.03	9.38	1.00	
08:53:32	0.30	-0.01	9.49	1.00	
08:57:11	0.25	-0.29	9.72	1.00	
09:00:51	0.09	0.03	10.14	1.00	
09:04:29	0.20	-0.06	11.07	1.00	
09:08:09	0.20	0.06	11.29	1.00	
09:11:48	0.12	-0.05	11.61	1.00	
09:15:28	0.04	0.11	11.85	1.00	
09:19:07	0.13	-0.04	12.19	1.00	
09:22:51	-0.04	0.08	12.47	1.00	
09:26:29	0.07	0.03	12.71	1.00	
09:30:07	0.10	0.08	12.85	1.00	
09:33:47	0.24	0.15	12.88	1.00	
09:37:26	0.41	-0.15	12.85	1.00	
09:41:04	0.52	-0.07	12.90	1.00	
09:44:44	0.51	-0.05	12.88	1.00	
09:48:25	0.42	-0.11	13.04	1.00	
09:52:04	0.38	-0.20	13.33	1.00	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
09:55:45	0.26	0.18	13.60	1.00	
09:59:25	0.29	0.04	13.86	1.00	
10:03:04	0.28	0.02	14.41	1.00	
10:06:45	0.32	0.11	14.89	1.00	
10:10:24	0.50	0.14	15.23	1.00	
10:14:04	0.44	-0.05	15.68	1.00	
10:17:45	0.44	-0.02	16.12	1.00	
10:21:24	0.56	-0.14	16.50	1.00	
10:25:12	0.71	-0.11	16.78	1.00	
10:29:07	0.62	-0.13	17.20	1.00	
10:32:46	0.78	-0.05	17.61	1.00	
10:36:26	0.85	-0.02	17.93	1.00	
10:40:05	0.93	0.08	17.87	1.00	
10:43:46	0.85	0.11	18.14	1.00	
10:47:26	0.70	0.15	18.10	1.00	
10:51:05	0.71	-0.01	17.65	1.00	
10:54:46	0.56	-0.15	17.17	0.99	
10:58:27			17.04	1.00	
11:02:06			16.39	0.99	
13:11:08					
13:16:47					
13:20:13					
13:23:40	0.95	-0.15			
13:27:05	0.81	-0.07			
13:30:29	0.71	-0.05			
13:33:53	0.73	0.11			
13:37:18	0.68	-0.04			
13:40:42	0.53	-0.08			
13:44:08	0.56	0.04			
13:47:31	0.67	0.01			
13:50:56	0.82	0.03			
13:54:20	0.91	0.23			
13:57:43	1.16	0.12			
14:01:07	1.22	0.07			
14:04:40	0.98	-0.02			
14:08:04	0.76	-0.01			
14:11:32	0.69	-0.12			
14:15:04	0.50	0.02			
14:18:30	0.38	0.00			
14:21:53	0.51	-0.12			
14:25:19	0.44	0.08			
14:28:42	0.55	0.02			
14:32:08	0.66	0.02			
14:35:35	0.77	-0.06			
14:39:01	0.82	0.04			
14:42:25	0.91	-0.18			
14:45:50	0.91	-0.11			
14:49:14	0.84	-0.11			
14:52:38	0.76	-0.00			

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
14:56:03	0.72	0.08			
14:59:27	0.73	-0.01			
15:02:53	0.60	0.01			
15:06:16	0.56	-0.02			
15:09:42	0.60	0.04			
15:13:06	0.60	-0.02			
15:16:35	0.60	0.06			
15:19:58	0.61	-0.03			
15:23:22	0.58	0.03			
15:26:48	0.53	-0.02			
15:30:11	0.57	0.05			
15:33:37	0.62	-0.02			
15:37:04	0.55	0.04			
15:40:29	0.59	0.10			
15:43:53	0.73	0.19			
15:47:19	0.71	-0.03			
15:50:43	0.69	0.05			
15:54:08	0.74	0.12			
15:57:32	0.78	0.01			
16:00:56	0.71	-0.09			
16:04:21	0.76	0.03			
16:07:45	0.65	0.04			
16:11:10	0.60	-0.09			
16:14:36	0.53	-0.01			
16:18:02	0.45	-0.03			
16:21:27	0.31	-0.01			
16:24:59	0.45	0.07			
16:28:25	0.61	0.05			
16:31:48	0.74	0.06			
16:35:13	0.85	-0.06			
16:38:37	0.88	-0.05			
16:42:02	0.88	-0.15			
16:45:26	0.73	-0.04			
16:48:51	0.69	-0.05			
16:52:15	0.55	0.04			
16:55:40	0.54	0.10			
16:59:04	0.51	-0.05			
17:02:29	0.59	-0.04			
17:06:00	0.56	-0.04			
17:09:24	0.72	-0.00			
17:12:49	0.66	-0.07			
17:16:12	0.65	0.12			
17:19:36	0.62	0.01			
17:23:01	0.64	0.00			
17:26:27	0.60	-0.11			
17:29:50	0.74	0.07			
17:33:15	0.80	-0.05			
17:36:39	0.80	0.14			
17:40:04	0.76	-0.03			

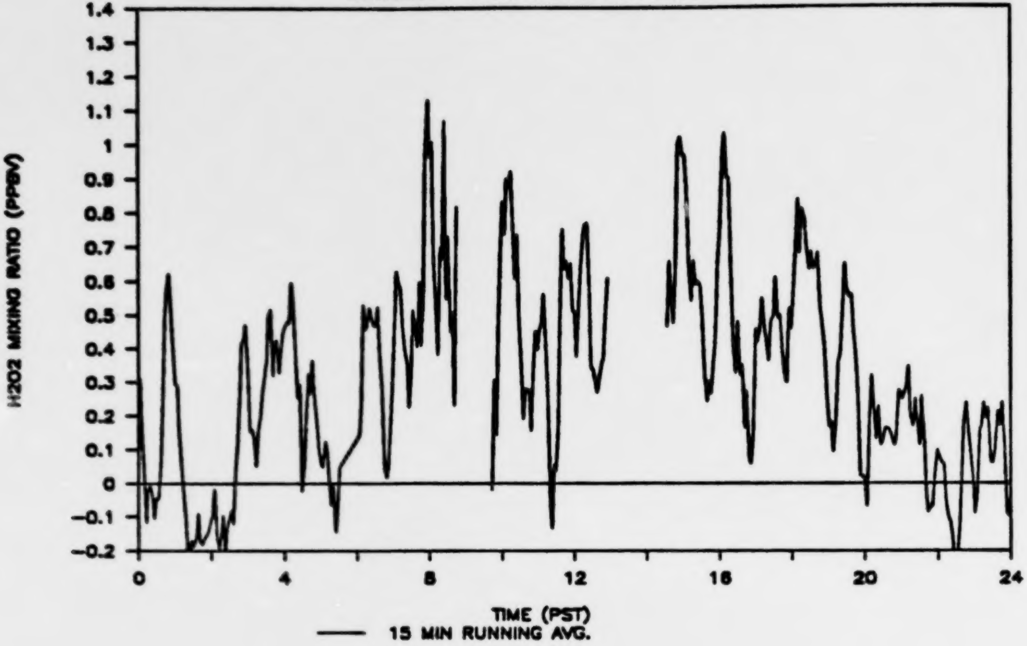
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
17:43:28	0.69	-0.07			
17:46:53	0.61	-0.02			
17:50:16	0.51	-0.10			
17:53:40	0.49	-0.16			
17:57:05	0.66	0.04			
18:00:31	0.72	0.09			
18:03:54	0.72	-0.06			
18:07:20	0.72	0.06			
18:10:43	0.79	0.04			
18:14:08	0.75	0.07			
18:17:32	0.78	0.12			
18:20:57	0.90	0.02			
18:24:21	0.98	0.12			
18:27:46	0.88	-0.00			
18:31:12	0.73	-0.09			
18:34:35	0.72	-0.09			
18:38:04	0.68	0.04			
18:41:29	0.71	-0.10			
18:44:53	0.79	0.07			
18:48:18	0.77	-0.07			
18:51:42	0.74	0.11			
18:55:07	0.59	-0.01			
18:58:35	0.52	-0.05			
19:01:59	0.46	-0.16			
19:05:24	0.48	-0.09			
19:08:58	0.54	-0.13			
19:12:22	0.64	0.10			
19:15:45	0.62	-0.01			
19:19:10	0.63	0.18			
19:22:34	0.79	0.07			
19:25:59	0.64	0.10			
19:29:22	0.61	-0.27			
19:32:46	0.63	0.12			
19:36:12	0.49	-0.20			
19:39:37	0.19	-0.02			
19:43:03	0.29	-0.06			
19:46:28	0.33	0.02			
19:50:00	0.43	0.13			
19:53:26	0.63	0.06			
19:56:51	0.85	0.16			
20:01:26	0.74	-0.25			
20:04:52	0.57	0.23			
20:08:21	0.53	-0.24			
20:11:46	0.43	0.07			
20:15:11	0.31	-0.14			
20:18:35	0.37	0.19			
20:22:00	0.56	-0.06			
20:25:24	0.56	0.12			
20:28:49	0.51	0.07			

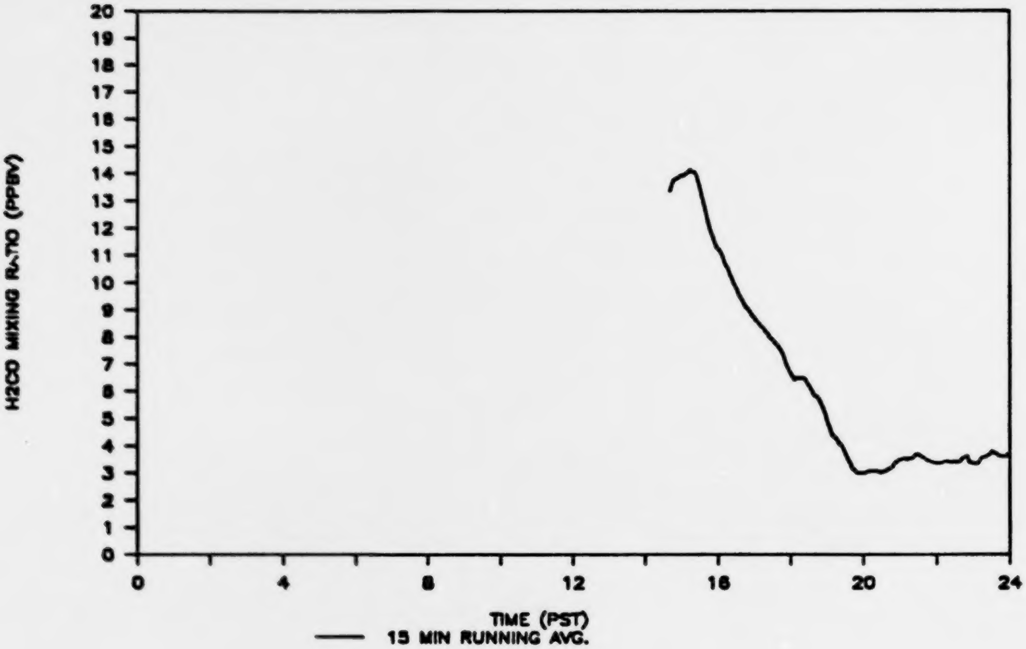
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
20:32:13	0.81	0.05			
20:35:38	1.03	0.05			
20:39:02	1.08	-0.21			
20:42:27	0.94	-0.17			
20:45:53	0.95	0.06			
20:49:21	0.86	0.09			
20:52:45	0.73	-0.06			
20:56:10	0.54	0.13			
20:59:33	0.60	0.09			
21:02:57	0.36	-0.28			
21:06:22	0.25	0.01			
21:09:54	0.26	0.10			
21:13:19	0.16	0.12			
21:16:43	0.34	0.21			
21:20:08	0.74	0.17			
21:23:40	0.50	-0.04			
21:27:05	0.26	0.04			
21:30:28	0.32	-0.17			
21:33:52	0.02	-0.11			
21:37:22	-0.06	0.12			
21:42:37	0.11	-0.15			
21:47:53	-0.07	-0.21			
21:51:19	-0.08	0.06			
21:54:51	0.07	0.11			
21:58:17	0.23	-0.06			
22:01:40	0.17	0.08			
22:05:05	0.26	0.04			
22:08:29	0.18	-0.18			
22:11:54	0.01	-0.09			
22:15:18	-0.21	-0.02			
22:18:43	-0.12	0.17			
22:22:09	0.16	0.21			
22:25:34	0.39	0.21			
22:28:58	0.51	0.01			
22:32:23	0.53	0.08			
22:35:47	0.54	-0.09			
22:39:21	0.53	-0.04			
22:42:49	0.45	0.04			
22:46:12	0.47	-0.02			
22:49:38	0.42	-0.14			
22:53:01	0.32	-0.15			
22:56:27	0.19	-0.05			
22:59:50	0.20	0.12			
23:03:16	0.36	0.13			
23:06:39	0.40	-0.01			
23:10:08	0.49	0.04			
23:13:33	0.38	-0.07			
23:16:58	0.48	-0.06			
23:20:22	0.32	-0.19			

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
23:23:47	0.23	-0.02			
23:27:11	0.10	0.01			
23:30:36	0.04	0.06			
23:34:00	-0.10	-0.12			
23:37:25	-0.19	0.08			
23:40:48	-0.26	-0.07			
23:44:12	-0.20	0.12			
23:47:37	-0.04	0.00			
23:51:01	0.04	0.04			
23:54:26	0.03	0.03			
23:57:50	0.21	0.12			
00:00:48	0.17	0.02			
00:04:13	0.19	-0.01			
00:07:40	0.01	-0.08			
00:11:03	0.05	0.00			
00:14:28	-0.02	0.00			
00:17:54	-0.02	-0.15			
00:21:20	-0.04	0.09			
00:24:44	-0.03	0.10			
00:28:08	-0.08	-0.10			
00:31:32	-0.06	-0.00			
00:35:01	0.02	0.08			
00:38:29	0.02	-0.11			
00:41:53	0.02	0.06			
00:45:17	0.07	0.10			
00:48:42	0.20	0.14			
00:52:06	0.20	-0.00			
00:55:30	0.29	0.04			
00:58:54	0.32	-0.14			

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 28, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 28, 1987
JULIAN DATE: 240

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	LINEAR CORREL. COEFF.	COMMENTS
01:02:17	0.31	-0.06			
01:05:43	0.15	-0.13			
01:09:06	0.04	-0.07			
01:12:31	-0.12	-0.02			
01:15:54	-0.02	0.08			
01:19:21	-0.01	0.04			
01:22:46	-0.04	-0.04			
01:26:09	-0.10	0.06			
01:29:34	-0.04	0.03			
01:32:57	-0.05	-0.02			
01:36:22	0.07	-0.04			
01:39:46	0.24	0.07			
01:43:11	0.50	0.07			
01:46:35	0.57	0.04			
01:50:00	0.62	-0.06			
01:53:23	0.50	0.03			
01:56:48	0.38	-0.02			
02:00:11	0.29	-0.04			
02:03:36	0.29	-0.13			
02:07:02	0.15	-0.05			
02 10:31	0.06	-0.10			
02:13:56	-0.03	-0.03			
02:17:21	-0.10	-0.13			
02:20:46	-0.23	0.10			
02:24:15	-0.23	0.10			
02:27:40	-0.17	0.04			
02:31:06	-0.19	0.05			
02:34:31	-0.17	0.09			
02:37:56	-0.09	-0.11			
02:41:22	-0.17	0.03			
02.44:48	-0.18	0.05			
02:48:12	-0.17	-0.18			
02:51:38	-0.15	0.05			
02:55:03	-0.14	0.16			
02:58:28	-0.11	-0.03			
03:01:54	-0.10	-0.03			
03:05:19	-0.02	0.19			
03:08:44	-0.16	-0.10			
03:12:10	-0.19	-0.06			
03:15:35	-0.16	-0.05			
03:19:00	-0.09	-0.10			

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	LINEAR CORREL. COEFF.	COMMENTS
03:22:26	-0.23	-0.13			
03:25:51	-0.13	-0.06			
03:29:16	-0.10	-0.04			
03:32:42	-0.08	-0.05			
03:36:07	-0.12	-0.20			
03:39:36	0.03	-0.01			
03:43:01	0.11	0.04			
03:46:26	0.26	-0.10			
03:49:52	0.42	-0.02			
03:53:17	0.42	0.10			
03:56:50	0.47	-0.04			
04:00:14	0.35	-0.15			
04:03:39	0.15	0.00			
04:07:04	0.16	-0.10			
04:10:30	0.13	0.05			
04:13:55	0.05	0.04			
04:17:25	0.16	0.12			
04:20:50	0.20	-0.02			
04:24:15	0.27	0.14			
04:27:41	0.31	-0.05			
04:31:06	0.37	-0.06			
04:34:31	0.50	0.14			
04:37:57	0.51	0.09			
04:41:22	0.32	0.15			
04:44:47	0.42	0.13			
04:48:13	0.42	0.22			
04:51:38	0.33	0.04			
04:55:04	0.38	0.09			
04:58:31	0.45	0.01			
05:01:56	0.47	0.11			
05:05:22	0.48	-0.07			
05:08:47	0.47	0.01			
05:12:17	0.59	-0.05			
05:15:42	0.51	-0.14			
05:19:07	0.35	-0.26			
05:22:33	0.25	-0.15			
05:25:58	0.29	-0.23			
05:29:24	-0.02	-0.15			
05:32:49	0.06	-0.12			
05:36:14	0.18	0.03			
05:39:39	0.32	0.03			
05:43:05	0.27	-0.10			
05:46:30	0.36	-0.03			
05:49:55	0.27	0.02			
05:53:21	0.18	0.00			
05:56:46	0.10	-0.06			
06:00:12	0.06	0.08			
06:03:39	0.05	0.09			
06:07:09	0.12	-0.04			

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	LINEAR CORREL. COEFF.	COMMENTS
06:10:34	0.10	0.12			
06:13:59	-0.00	0.06			
06:17:25	-0.06	0.10			
06:20:50	-0.01	0.03			
06:24:24	-0.14	0.07			
06:27:50	-0.06	-0.18			
06:31:15	0.05	-0.07			
07:04:12	0.14	-0.09			
07:07:37	0.23	0.02			
07:11:02	0.53	-0.02			
07:14:28	0.46	-0.05			
07:17:53	0.47	0.03			
07:21:19	0.52	-0.08			
07:24:44	0.49	-0.03			
07:28:09	0.47	-0.16			
07:31:35	0.47	0.14			
07:35:02	0.52	-0.05			
07:38:27	0.38	0.11			
07:41:53	0.28	-0.01			
07:45:18	0.04	0.15			
07:48:43	0.02	-0.10			
07:52:09	0.05	0.19			
07:55:34	0.17	-0.06			
07:59:00	0.31	0.02			
08:02:24	0.49	0.21			
08:05:50	0.63	0.29			
08:09:14	0.59	-0.07			
08:12:39	0.58	0.08			
08:16:03	0.46	0.12			
08:19:29	0.39	-0.10			
08:22:55	0.35	-0.37			
08:26:23	0.23	-0.05			
08:29:48	0.33	0.32			
08:33:18	0.51	-0.11			
08:36:42	0.45	-0.11			
08:40:07	0.41	0.36			
08:43:31	0.60	-0.33			
08:46:55	0.41	-0.42			
08:50:20	0.53	0.25			
08:53:44	0.95	-0.08			
08:57:10	1.13	-0.37			
09:00:36	0.97	0.45			
09:04:02	1.01	0.24			
09:07:26	0.68	-0.31			
09:10:50	0.50	-0.04			
09:14:15	0.38	0.21			
09:17:42	0.70	-0.21			
09:21:05	0.66	-0.14			
09:24:31	1.07	-0.18			

START TIME (PDT)	H_2O_2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H_2CO 15 MIN RUNNING AVERAGE	LINEAR CORREL. COEFF.	COMMENTS
09:27:57	0.55	0.15			
09:31:21	0.73	-0.09			
09:34:46	0.45	-0.06			
09:38:11	0.51	0.09			
09:41:36	0.23	0.22			
09:45:02	0.82	-0.20			
09:48:26					
09:55:42					
10:29:59					CALIBRATION
10:36:53					
10:40:18					
10:43:42	-0.02	-0.70			
10:47:06	0.31	0.00			
10:50:31	0.15	-0.17			
10:54:09	0.49	0.40			
10:57:33	0.65	0.21			
11:00:59	0.83	0.61			
11:04:22	0.74	0.01			
11:07:48	0.90	0.15			
11:11:11	0.87	-0.53			
11:14:37	0.92	-0.72			
11:18:00	0.78	-0.24			
11:21:26	0.61	-0.23			
11:24:50	0.73	-0.50			
11:28:16	0.50	-0.17			
11:31:39	0.37	0.19			
11:35:05	0.19	-0.22			
11:38:29	0.28	-0.04			
11:41:54	0.27	0.23			
11:45:18	0.28	0.25			
11:48:42	0.16	0.30			
11:52:07	0.34	-0.03			
11:55:31	0.45	-0.18			
11:58:56	0.40	-0.02			
12:02:26	0.46	0.17			
12:05:50	0.48	-0.10			
12:09:14	0.56	-0.03			
12:12:39	0.43	0.02			
12:16:03	0.25	0.11			
12:19:29	-0.05	-0.23			
12:22:52	-0.13	-0.03			
12:26:18	0.05	0.06			
12:29:41	0.04	-0.09			
12:33:07	0.16	-0.20			
12:36:31	0.50	-0.01			
12:39:57	0.75	-0.10			
12:43:20	0.63	0.02			
12:46:49	0.66	0.21			
12:50:13	0.61	0.09			

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	LINEAR CORREL. COEFF.	COMMENTS
12:53:37	0.65	0.00			
12:57:02	0.51	0.13			
13:00:26	0.51	0.03			
13:03:52	0.38	0.13			
13:07:16	0.52	0.26			
13:10:49	0.65	-0.03			
13:14:14	0.73	-0.05			
13:17:42	0.76	-0.04			
13:21:05	0.77	-0.18			
13:24:31	0.58	-0.14			
13:27:54	0.35	0.18			
13:31:23	0.33	0.02			
13:34:47	0.30	-0.04			
13:38:11	0.27	-0.04			
13:41:37	0.31	-0.08			
13:45:02	0.35	-0.04			
13:48:26	0.37	0.00			
13:51:50	0.51	0.10			
13:55:15	0.61	0.36			
13:58:39					
14:02:04					
15:14:57					CALIBRATION
15:26:04				1.00	
15:29:45				1.00	
15:33:23	0.47	0.14		1.00	
15:37:03	0.66	0.06		1.00	
15:40:42	0.56	0.01	13.36	0.99	
15:44:22	0.48	0.19	13.65	1.00	
15:48:00	0.62	-0.14	13.78	1.00	
15:51:39	1.00	0.04	13.81	1.00	
15:55:23	1.02	-0.01	13.86	1.00	
15:59:01	0.97	0.23	13.93	0.99	
16:02:40	0.97	0.18	13.91	1.00	
16:06:20	0.86	0.05	13.96	0.99	
16:10:01	0.63	-0.09	14.05	1.00	
16:13:46	0.54	-0.25	14.13	1.00	
16:17:24	0.66	-0.35	14.05	1.00	
16:21:08	0.59	0.43	14.05	1.00	
16:24:45	0.60	0.06	13.85	1.00	
16:28:25	0.58	0.12	13.55	1.00	
16:32:04	0.49	0.55	13.20	1.00	
16:35:44	0.32	0.45	12.93	1.00	
16:39:23	0.24	0.36	12.55	1.00	
16:43:03	0.30	0.16	12.19	1.00	
16:46:42	0.26	-0.05	11.95	1.00	
16:50:20	0.34	-0.45	11.74	1.00	
16:53:59	0.43	-0.43	11.53	1.00	
16:57:47	0.64	-0.34	11.28	1.00	
17:01:26	0.74	-0.27	11.20	1.00	

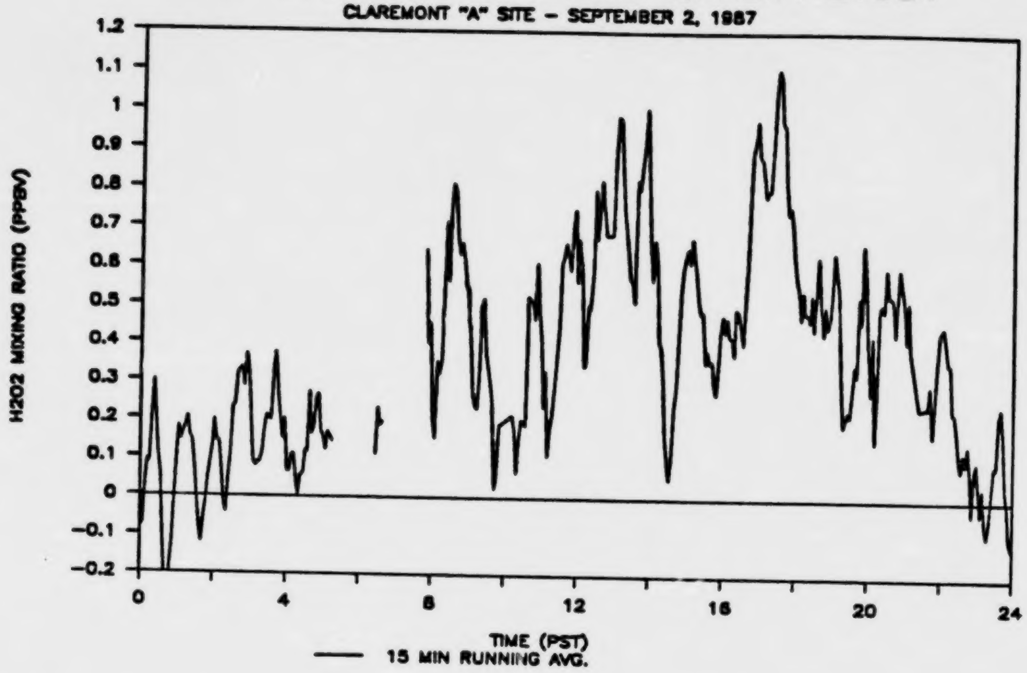
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	LINEAR CORREL. COEFF.	COMMENTS
17:05:05	0.98	0.12	11.04	1.00	
17:08:45	1.03	0.34	10.88	1.00	
17:12:24	0.90	0.10	10.64	1.00	
17:16:04	0.90	0.37	10.54	1.00	
17:19:44	0.62	0.17	10.29	1.00	
17:23:23	0.39	0.03	10.10	1.00	
17:27:03	0.33	0.01	9.89	1.00	
17:30:42	0.48	0.03	9.75	0.99	
17:34:22	0.32	-0.34	9.54	0.99	
17:38:01	0.35	-0.27	9.40	0.99	
17:41:41	0.17	-0.06	9.27	1.00	
17:45:20	0.27	-0.30	9.11	1.00	
17:49:00	0.07	-0.13	9.02	1.00	
17:52:39	0.06	0.15	8.94	1.00	
17:56:22	0.14	0.25	8.79	0.99	
18:00:01	0.46	0.08	8.70	1.00	
18:03:40	0.42	0.02	8.59	1.00	
18:07:20	0.45	0.17	8.51	1.00	
18:10:59	0.55	-0.08	8.40	0.99	
18:14:39	0.47	-0.08	8.31	1.00	
18:18:18	0.42	-0.03	8.20	1.00	
18:21:58	0.36	0.06	8.11	0.99	
18:25:37	0.48	0.08	7.98	1.00	
18:29:17	0.49	0.09	7.91	1.00	
18:33:07	0.61	-0.04	7.81	0.99	
18:36:47	0.49	-0.09	7.72	0.99	
18:40:27	0.50	0.08	7.61	1.00	
18:44:08	0.39	-0.08	7.50	1.00	
18:47:48	0.33	-0.07	7.31	0.99	
18:51:28	0.30	0.09	7.05	0.99	
18:55:10	0.52	0.20	6.84	0.99	
18:58:50	0.46	-0.11	6.69	1.00	
19:02:29	0.57	-0.01	6.53	1.00	
19:06:09	0.69	0.20	6.39	1.00	
19:09:48	0.84	0.00	6.48	1.00	
19:13:28	0.68	-0.06	6.47	0.99	
19:17:07	0.81	0.06	6.46	1.00	
19:20:47	0.78	-0.07	6.48	0.99	
19:24:26	0.70	-0.09	6.40	0.99	
19:28:06	0.63	0.08	6.23	0.99	
19:31:45	0.68	-0.01	6.14	1.00	
19:35:24	0.64	0.03	5.98	1.00	
19:39:04	0.65	0.00	5.81	1.00	
19:42:44	0.68	-0.04	5.82	1.00	
19:46:23	0.52	-0.13	5.69	0.99	
19:50:02	0.47	-0.14	5.55	1.00	
19:53:45	0.41	-0.06	5.33	0.99	
19:57:24	0.27	0.10	5.11	1.00	
20:01:02	0.17	0.06	4.84	1.00	

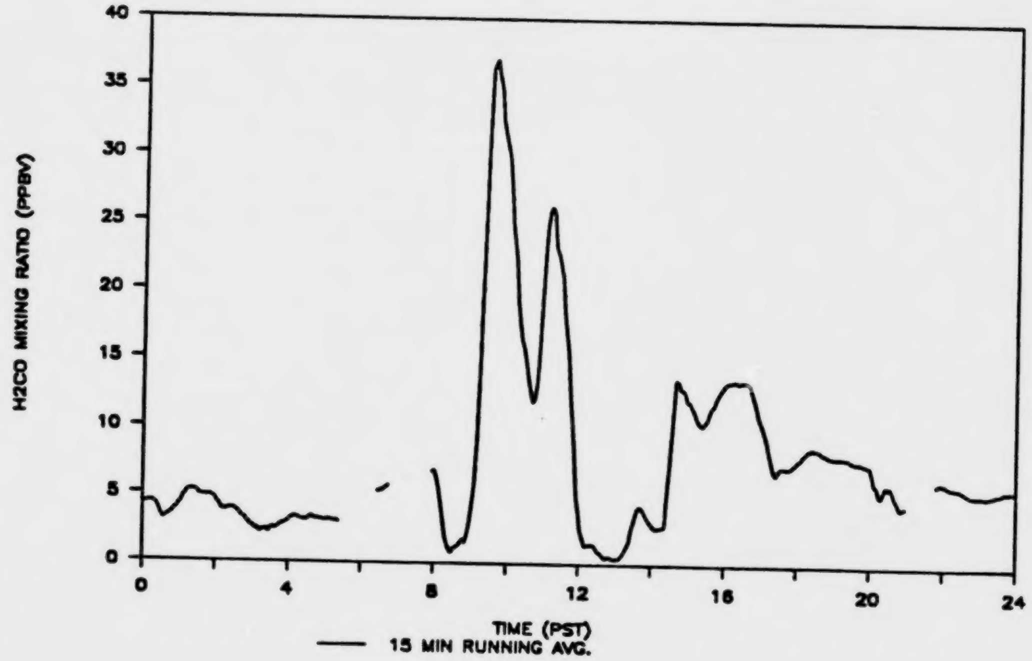
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	LINEAR CORREL. COEFF.	COMMENTS
20:04:41	0.18	0.01	4.63	1.00	
20:08:23	0.10	0.13	4.41	0.99	
20:12:11	0.19	0.09	4.29	1.00	
20:15:50	0.36	-0.02	4.24	1.00	
20:19:33	0.38	0.01	4.06	0.99	
20:23:12	0.51	0.18	4.02	1.00	
20:26:49	0.65	-0.01	3.87	1.00	
20:30:29	0.57	-0.09	3.71	1.00	
20:34:08	0.55	-0.11	3.48	1.00	
20:37:47	0.56	-0.05	3.35	0.99	
20:41:27	0.46	-0.25	3.17	0.99	
20:45:06	0.38	-0.00	3.10	0.99	
20:48:46	0.26	-0.03	3.01	0.98	
20:52:26	0.02	0.13	2.99	0.99	
20:56:05	0.02	0.11	2.98	1.00	
20:59:44	0.01	0.08	3.01	0.99	
21:03:24	-0.07	0.11	2.98	0.99	
21:07:03	0.19	0.12	3.06	0.99	
21:10:43	0.32	-0.10	3.04	1.00	
21:14:25	0.22	-0.14	3.07	1.00	
21:18:05	0.13	0.06	3.05	1.00	
21:21:44	0.23	-0.16	3.06	0.99	
21:25:24	0.11	0.06	3.03	1.00	
21:29:03	0.13	0.03	3.01	0.98	
21:32:43	0.16	0.04	3.04	0.98	
21:36:28	0.16	-0.07	3.06	1.00	
21:40:08	0.16	0.05	3.10	0.97	
21:43:47	0.13	-0.15	3.16	1.00	
21:47:37	0.11	-0.08	3.23	0.98	
21:51:17	0.13	-0.01	3.34	1.00	
21:54:59	0.27	-0.00	3.41	1.00	
22:01:05	0.25	-0.08	3.48	1.00	
21:03:36			3.50	0.99	
22:07:12	0.28	0.06	3.54	1.00	
22:10:59	0.34	0.04	3.48	0.99	
22:14:37	0.20	-0.04	3.52	0.99	
22:18:16	0.17	0.09	3.53	0.99	
22:21:55	0.25	0.11	3.59	0.99	
22:25:35	0.19	-0.05	3.65	0.99	
22:29:14	0.12	0.06	3.67	0.99	
22:32:54	0.26	0.02	3.63	0.99	
22:36:33	0.14	-0.05	3.57	1.00	
22:40:13	-0.03	-0.13	3.53	0.99	
22:43:52	-0.08	-0.03	3.45	1.00	
22:47:31	-0.07	-0.02	3.44	1.00	
22:51:09	-0.07	-0.01	3.39	1.00	
22:54:50	0.03	-0.02	3.38	1.00	
22:58:28	0.10	0.01	3.36	0.99	
23:02:07	0.08	0.01	3.38	1.00	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	LINEAR CORREL. COEFF.	COMMENTS
23:05:47	0.06	0.05	3.35	0.99	
23:09:26	0.06	0.01	3.37	0.99	
23:13:06	-0.05	-0.08	3.41	0.99	
23:16:46	-0.10	0.02	3.43	0.99	
23:20:27	-0.11	0.00	3.40	1.00	
23:24:05	-0.17	-0.14	3.38	0.99	
23:27:57	-0.27	-0.07	3.41	1.00	
23:31:37	-0.25	0.09	3.37	0.99	
23:35:16	-0.12	0.07	3.39	0.99	
23:38:58	0.04	0.09	3.43	0.99	
23:42:38	0.17	0.09	3.56	1.00	
23:46:17	0.24	-0.04	3.58	1.00	
23:49:57	0.15	-0.01	3.61	0.99	
23:53:36	0.10	-0.03	3.37	0.99	
23:57:25	0.01	-0.04	3.39	0.99	
00:00:48	-0.09	-0.05	3.33	0.98	
00:04:31	-0.04	0.12	3.34	0.98	
00:08:12	0.16	-0.09	3.36	0.98	
00:11:52	0.17	0.08	3.53	0.92	
00:15:32	0.24	0.03	3.55	0.99	
00:19:17	0.19	0.03	3.56	0.99	
00:22:58	0.22	-0.00	3.63	0.99	
00:26:38	0.07	0.11	3.64	0.96	
00:30:20	0.06	-0.07	3.77	0.99	
00:33:59	0.10	-0.01	3.75	0.98	
00:38:49	0.21	0.03	3.68	0.96	
00:42:29	0.17	0.03	3.60	0.96	
00:46:08	0.24	-0.09	3.59	0.97	
00:49:47	0.11	-0.02	3.57	0.99	
00:53:28	-0.09	-0.11	3.57	0.97	
00:57:07	-0.10	0.01	3.68	0.99	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – SEPTEMBER 2, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: SEPTEMBER 2, 1987
JULIAN DATE: 245

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
07:36:27					CALIBRATION
01:03:33	-0.08	0.04	4.33	0.98	
01:07:13	0.01	0.13	4.32	0.97	
01:10:57	0.09	-0.00	4.40	0.97	
01:14:38	0.09	-0.07	4.43	0.99	
01:18:20	0.21	0.16	4.28	0.98	
01:22:06	0.30	0.06	4.19	0.99	
01:25:46	0.20	-0.09	3.85	0.99	
01:29:35	0.10	-0.02	3.41	0.98	
01:33:15	0.06	0.01	3.14	0.96	
01:37:05	-0.11	-0.06	3.25	0.98	
01:40:45	-0.24	-0.04	3.33	0.99	
01:44:26	-0.24	0.01	3.49	0.97	
01:48:08	-0.20	0.01	3.60	0.95	
01:51:49	-0.13	0.06	3.85	0.99	
01:55:32	-0.01	0.01	3.91	0.99	
01:59:12	0.10	-0.03	4.19	0.99	
02:02:55	0.18	-0.01	4.36	0.98	
02:06:38	0.15	0.02	4.75	0.98	
02:10:20	0.17	-0.04	4.94	0.95	
02:14:02	0.18	-0.11	5.21	0.98	
02:17:45	0.21	-0.07	5.21	0.98	
02:21:27	0.16	-0.01	5.32	0.98	
02:25:11	0.15	-0.09	5.22	0.97	
02:28:53	0.08	0.01	5.17	0.99	
02:32:35	0.00	0.03	4.94	0.99	
02:36:20	-0.08	0.06	4.89	0.97	
02:40:01	-0.12	0.00	4.87	0.99	
02:43:44	-0.06	0.06	4.88	0.98	
02:47:26	-0.01	-0.00	4.90	0.99	CALIBRATION
02:51:08	0.05	0.03	4.90	0.99	
02:58:22	0.13	0.03	4.69	0.99	
03:02:05	0.20	0.02	4.41	0.92	
03:05:48	0.14	0.01	4.18	1.00	
03:09:31	0.14	-0.07	3.93	0.97	
03:13:23	0.07	-0.03	3.77	0.97	
03:17:06	-0.02	0.00	3.82	0.99	
03:20:48	-0.04	-0.04	3.92	0.96	
03:24:31	0.05	-0.01	3.96	0.98	
03:28:13	0.12	0.08	3.95	0.96	
03:31:55	0.23	0.00	3.90	0.95	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
03:35:38	0.24	-0.07	3.76	0.99	
03:39:20	0.32	-0.02	3.60	0.92	
03:43:04	0.33	-0.05	3.35	0.94	
03:46:46	0.33	-0.03	3.32	0.98	
03:50:28	0.29	-0.01	3.10	0.93	
03:54:12	0.37	0.09	2.92	0.99	
03:57:56	0.33	0.01	2.72	0.91	
04:01:37	0.22	-0.00	2.71	1.00	
04:05:19	0.09	-0.00	2.45	0.93	
04:09:00	0.08	-0.02	2.51	0.98	
04:12:41	0.09	0.01	2.25	0.89	
04:16:32	0.09	-0.02	2.35	0.96	
04:20:13	0.12	0.02	2.39	0.97	
04:23:54	0.17	-0.03	2.44	0.95	
04:27:36	0.21	0.09	2.25	0.93	
04:31:24	0.20	-0.09	2.51	0.98	
04:35:06	0.20	0.09	2.56	1.00	
04:38:49	0.34	0.03	2.49	0.91	
04:42:34	0.38	0.06	2.61	0.99	
04:46:15	0.27	-0.14	2.80	0.92	CALIBRATION
04:53:43	0.15	0.10	2.90	0.95	
04:57:26	0.20	0.01	2.96	0.91	
05:01:15	0.07	-0.03	3.12	0.91	
05:04:56	0.07	-0.08	3.27	0.97	
05:08:38	0.11	0.01	3.38	0.92	
05:12:19	0.11	-0.09	3.40	0.95	
05:16:10	0.03	-0.12	3.27	0.88	
05:19:51	0.01	0.09	3.22	0.95	
05:23:32	0.06	0.06	3.12	0.94	
05:27:14	0.06	-0.00	3.16	0.92	
05:30:55	0.12	0.05	3.13	0.93	
05:34:38	0.12	0.07	3.30	0.92	
05:38:19	0.27	-0.07	3.41	0.98	
05:42:01	0.16	-0.07	3.26	0.93	
05:45:42	0.18	0.03	3.24	0.91	
05:49:25	0.26	0.02	3.26	0.94	
05:53:06	0.27	0.05	3.21	0.92	
05:56:48	0.17	-0.08	3.15	0.97	
06:00:29	0.16	0.01	3.14	0.88	
06:04:10	0.12	0.00	3.21	0.95	
06:07:52	0.17	-0.05	3.20	0.94	
06:11:33	0.16	-0.11	3.14	0.94	
06:15:14	0.14	0.19	3.08	0.92	
06:18:56			3.15	0.94	
06:22:37			3.01	0.94	CALIBRATION
06:58:49				1.00	
07:15:36				0.98	
07:19:07				0.99	
07:22:48				0.98	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
07:26:40	0.11	0.06	5.27	0.99	
07:30:20	0.23	0.05	5.31	0.98	
07:34:01	0.19	0.01	5.35	1.00	
07:37:44	0.20	-0.22	5.45	0.98	
07:41:26			5.60	0.99	
07:45:07			5.72	0.97	POWER
08:29:49					FAILURE
08:42:09				0.97	CALIBRATION
08:45:50				0.94	
08:49:30	0.64	-0.39		0.97	
08:53:10	0.40	-0.17		0.96	
08:56:48	0.45	0.00	6.75	0.95	
09:00:28	0.21	-0.29	6.80	0.94	
09:04:07	0.15	0.03	6.25	0.98	
09:07:45	0.35	0.07	5.38	0.94	
09:11:25	0.32	-0.00	4.29	0.96	
09:15:03	0.36	-0.01	3.08	0.89	
09:18:42	0.56	-0.03	1.96	0.68	RAIN
09:22:22	0.71	0.06	1.38	0.78	
09:26:01	0.56	0.16	1.01	0.73	
09:29:41	0.75	0.03	0.85	0.81	
09:33:20	0.81	0.00	1.12	0.98	
09:37:00	0.79	0.22	1.25	0.87	
09:40:40	0.68	0.06	1.35	0.98	
09:44:19	0.63	0.02	1.57	0.93	
09:47:59	0.66	-0.00	1.77	0.97	
09:51:38	0.62	-0.08	1.60	0.95	
09:55:18	0.56	-0.07	2.15	0.96	
09:58:57	0.54	-0.01	3.11	0.94	
10:02:38	0.43	-0.03	4.37	0.97	
10:06:17	0.28	0.16	5.87	0.98	
10:09:57	0.24	0.08	8.79	0.99	
10:13:41	0.23	-0.14	13.54	1.00	
10:17:23	0.32	-0.29	19.64	1.00	
10:21:04	0.50	-0.19	25.38	0.99	
10:24:42	0.52	-0.16	31.89	1.00	
10:28:28	0.37	0.09	36.29	0.99	
10:35:40	0.30	0.22	36.98	0.97	
10:39:20	0.25	0.09	35.89	0.98	
10:43:05	0.02	0.12	34.91	0.98	
10:46:46	0.05	0.15	32.64	0.98	
10:50:24	0.19	-0.06	31.52	0.97	
10:58:12			30.00	0.99	
10:01:48			27.89	0.98	
10:05:24			24.91	0.99	
11:12:25	0.21	-0.30	22.40	0.98	
11:16:05	0.17	-0.12	19.38	0.97	
11:19:44	0.07	-0.01	17.77	0.98	
11:23:24	0.15	-0.19	16.44	0.98	

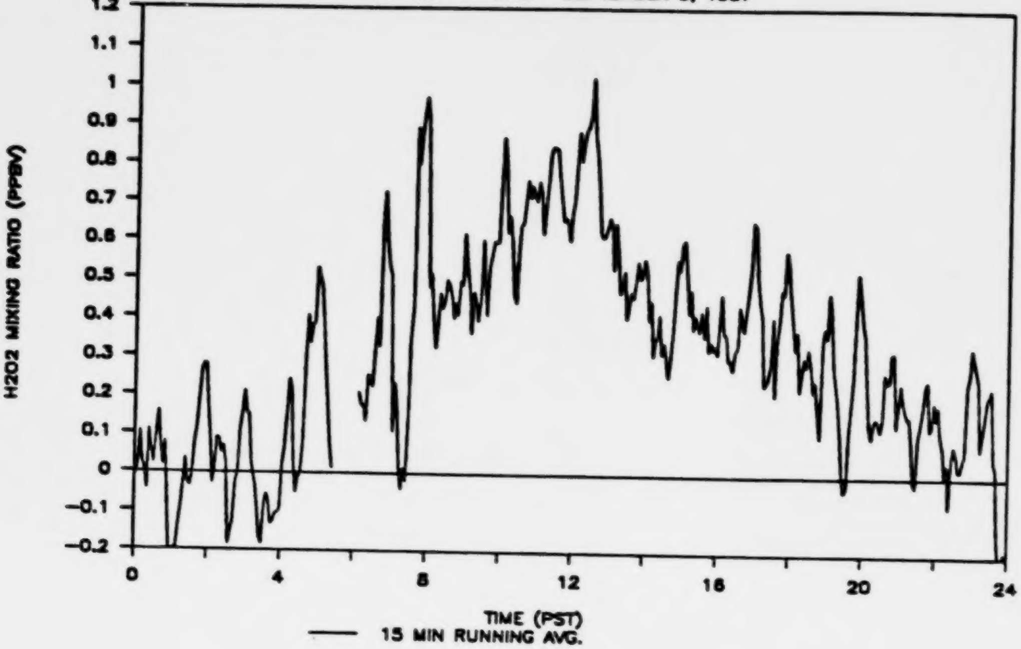
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
11:27:02	0.20	-0.18	15.84	0.98	
11:30:43	0.19	0.10	14.82	0.98	
11:34:22	0.19	0.23	13.61	0.98	
11:38:03	0.52	0.04	12.63	0.97	
11:41:43	0.51	0.07	11.92	0.97	
11:45:22	0.51	0.02	12.20	0.97	
11:49:06	0.46	-0.05	13.31	0.97	
11:52:45	0.61	-0.09	16.19	0.99	
11:56:26	0.48	-0.06	19.68	0.98	
12:00:06	0.40	0.06	22.93	0.98	
12:03:45	0.24	0.22	24.78	0.98	
12:07:26	0.33	0.01	25.92	0.98	
12:11:06	0.11	-0.22	26.21	0.98	
12:14:45	0.18	-0.12	25.76	0.97	
12:18:30	0.22	0.11	23.25	0.98	
12:22:15	0.31	-0.12	22.70	0.97	CALIBRATION
12:29:26	0.44	-0.01	21.11	0.99	
12:33:04	0.61	0.35	18.76	0.99	
12:36:45	0.63	0.00	17.06	0.98	
12:40:23	0.66	-0.15	15.63	0.97	
12:44:03	0.63	-0.07	12.65	0.98	
12:47:42	0.59	0.13	10.44	0.96	
12:51:23	0.70	0.01	8.15	0.97	
12:55:02	0.75	-0.02	4.95	0.96	
12:58:42	0.56	-0.10	3.81	0.94	
13:02:23	0.67	0.14	2.60	0.97	
13:06:02	0.61	-0.06	1.92	0.98	
13:09:42	0.34	-0.20	1.41	0.98	
13:13:23	0.35	0.12	1.47	0.97	
13:17:02	0.50	0.04	1.46	0.78	
13:20:43	0.49	-0.14	1.48	0.69	
13:24:23	0.59	0.13	1.48	0.80	
13:28:04	0.80	0.07	1.24	0.44	
13:31:43	0.67	-0.01	1.00	0.63	
13:35:23	0.74	-0.03	0.92	0.79	
13:39:02	0.82	0.04	0.77	0.58	
13:42:43	0.75	-0.16	0.48	0.58	
13:46:23	0.68	-0.08	0.54	0.88	
13:50:02	0.68	-0.06	0.64	0.87	
13:53:43	0.68	-0.02	0.53	0.25	
13:57:22	0.69	0.10	0.44	0.01	
14:01:02	0.90	0.09	0.46	0.73	
14:04:43	0.99	0.12	0.43	0.61	
14:08:22	0.98	0.03	0.58	0.92	
14:12:02	0.87	0.08	0.75	0.86	
14:15:43	0.74	-0.16	1.04	0.98	
14:22:51	0.63	0.03	1.74	0.98	
14:26:37	0.57	0.16	2.48	0.96	
14:30:17	0.57	-0.09	3.03	0.96	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
14:33:55	0.51	0.04	3.68	0.96	
14:37:34	0.82	0.03	4.18	0.92	
14:41:14	0.80	-0.10	4.28	0.92	
14:44:53	0.86	-0.18	4.12	0.90	
14:48:33	0.91	-0.01	3.83	0.88	
14:52:12	1.01	-0.04	3.50	0.88	
14:55:52	0.84	0.02	3.26	0.89	
14:59:31	0.66	-0.08			
15:03:15	0.57	0.12	2.85	0.94	
15:06:55	0.67	0.13	2.68	0.96	
15:10:34	0.63	-0.11	2.73	0.97	
15:14:14	0.41	-0.08	2.78	0.97	
15:17:53	0.39	0.07	2.75	0.89	
15:21:33	0.30	-0.25	2.89	0.91	
15:25:11	0.16	-0.13	4.78	0.98	
15:28:50	0.08	-0.01	7.06	0.99	
15:32:28	0.05	0.01	8.92	0.98	
15:36:08	0.11	0.01	11.27	0.99	
15:39:46	0.23	0.10	13.59	0.99	
15:43:26	0.29	0.03	13.52	0.98	
15:47:04	0.44	0.12	12.92	0.99	
15:50:43	0.54	0.14	12.95	0.99	
15:54:20	0.60	0.11	12.74	0.98	
15:57:59	0.63	-0.07	12.05	0.99	
16:01:37	0.65	0.10	12.04	0.97	
16:05:19	0.61	-0.05	11.74	0.97	
16:08:58	0.67	-0.07	11.34	0.99	CALIBRATION
16:16:06	0.59	-0.14	10.59	1.00	
16:19:46	0.52	0.06	10.40	1.00	
16:23:26	0.48	-0.01	10.29	1.00	
16:27:10	0.49	0.04	10.46	1.00	
16:30:48	0.35	-0.01	10.73	1.00	
16:34:29	0.39	0.11	11.16	1.00	
16:38:09	0.35	-0.00	11.57	1.00	
16:41:52	0.36	-0.09	11.81	1.00	
16:45:31	0.30	-0.05	12.20	1.00	
16:49:10	0.27	0.01	12.51	0.99	
16:52:48	0.35	-0.05	12.82	0.99	
16:56:27	0.44	-0.06	13.02	1.00	
17:00:06	0.48	0.05	13.29	1.00	
17:03:46	0.43	-0.00	13.47	1.00	
17:07:25	0.47	0.03	13.48	1.00	
17:11:05	0.42	-0.04	13.49	1.00	
17:14:44	0.42	0.03	13.55	1.00	
17:18:26	0.37	0.03	13.50	1.00	
17:22:06	0.49	0.04	13.46	1.00	
17:25:48	0.48	-0.05	13.48	1.00	
17:29:28	0.45	0.14	13.50	1.00	
17:33:10	0.40	-0.14	13.53	1.00	

START TIME (PDT)	H_2O_2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H_2CO 15 MIN RUNNING AVERAGE	H_2CO LINEAR CORREL. COEFF.	COMMENTS
17:36:50	0.52	0.03	13.54	1.00	
17:40:32	0.62	-0.02	13.36	1.00	
17:44:20	0.75	0.12	12.90	1.00	
17:48:02	0.90	-0.11	12.36	0.99	
17:51:44	0.93	0.12	11.72	0.99	
17:55:24	0.97	-0.08	11.08	1.00	
17:59:06	0.89	0.02	10.64	0.99	
18:02:46	0.88	-0.08	10.12	0.99	CALIBRATION
18:09:57	0.78	-0.03	9.16	0.99	
18:13:39	0.80	0.08	8.31	1.00	
18:17:27	0.80	0.05	7.59	1.00	
18:21:08	0.91	0.05	6.94	1.00	
18:24:48	1.05	-0.06	6.73	1.00	
18:28:28	1.11	0.00	7.00	0.99	
18:32:13	1.09	-0.00	7.21	1.00	
18:35:55	0.97	-0.03	7.25	0.98	
18:39:35	0.97	-0.02	7.23	1.00	
18:43:17	0.82	0.10	7.16	0.99	
18:46:56	0.74	-0.04	7.21	0.99	
18:50:36	0.76	-0.03	7.27	0.99	
18:54:16	0.71	0.00	7.44	1.00	
18:57:57	0.63	0.03	7.62	1.00	
19:01:37	0.57	-0.04	7.75	1.00	
19:05:17	0.54	0.07	7.87	0.99	
19:08:59	0.47	-0.01	8.09	1.00	
19:12:39	0.54	0.02	8.26	1.00	
19:16:20	0.48	-0.09	8.42	1.00	
19:20:00	0.48	-0.16	8.54	1.00	
19:23:39	0.46	-0.18	8.70	1.00	
19:27:21	0.53	0.06	8.66	1.00	
19:31:01	0.44	0.18	8.60	0.99	
19:34:41	0.55	0.14	8.55	1.00	
19:38:26	0.63	0.19	8.50	1.00	
19:42:08	0.51	0.16	8.32	0.99	
19:45:50	0.43	-0.06	8.24	0.99	
19:49:32	0.50	-0.28	8.18	1.00	
19:53:12	0.45	-0.07	8.07	0.99	
19:56:57	0.47	-0.02	8.02	1.00	CALIBRATION
20:04:14	0.64	0.03	7.97	1.00	
20:07:56	0.59	0.07	7.97	1.00	
20:11:37	0.54	0.08	8.01	0.99	
20:15:17	0.32	-0.22	8.00	0.99	
20:18:59	0.19	0.06	8.01	0.98	
20:22:41	0.21	-0.14	7.95	1.00	
20:26:21	0.23	0.03	7.87	0.98	
20:30:03	0.22	-0.06	7.76	0.99	
20:33:48	0.28	0.24	7.69	0.98	
20:37:28	0.35	-0.02	7.66	1.00	
20:41:10	0.32	0.26	7.68	0.99	

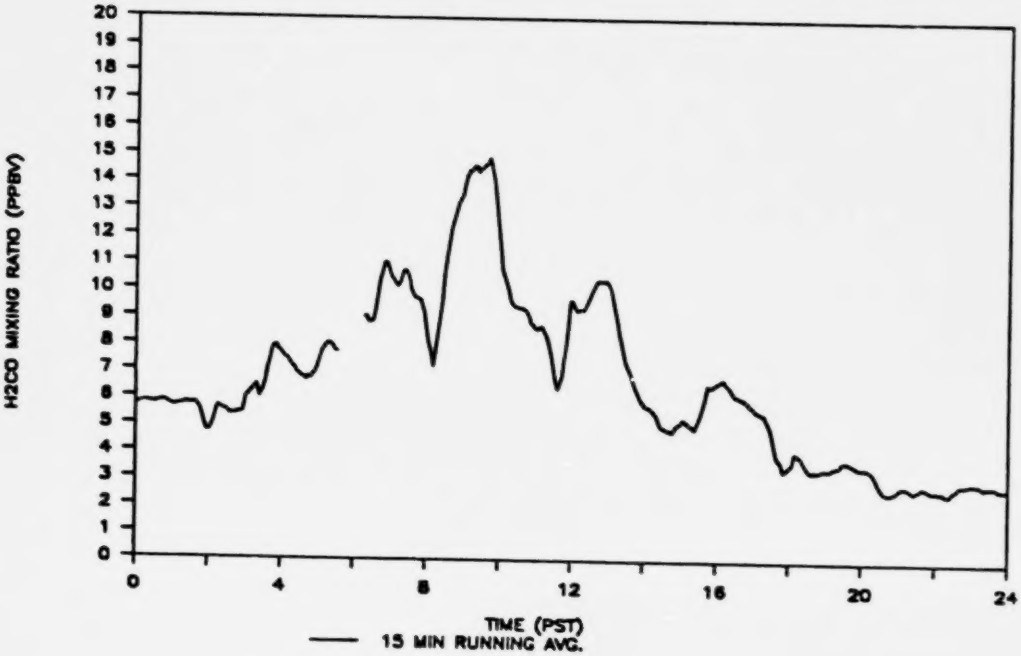
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
20:44:50	0.52	0.01	7.65	0.99	
20:48:32	0.46	0.10	7.58	0.98	
20:52:12	0.66	-0.02	7.54	0.98	
20:55:54	0.57	-0.09	7.47	1.00	
20:59:36	0.39	-0.03	7.42	0.99	
21:03:16	0.28	-0.01	6.84	0.68	
21:06:56	0.42	-0.05	6.08	0.53	
21:10:37	0.15	-0.01	6.01	0.99	
21:14:17	0.29	0.09	5.37	0.65	
21:17:59	0.50	-0.09	5.20	1.00	
21:21:39	0.51	0.06	5.56	1.00	
21:25:19	0.49	-0.01	6.02	0.99	
21:29:00	0.60	-0.12	5.80	0.99	
21:32:49	0.53	0.07	5.97	0.99	
21:36:30	0.53	-0.09	5.64	0.99	
21:40:10	0.52	-0.12	5.22	0.99	
21:43:50	0.43	-0.01	4.88	0.99	
21:47:32	0.51	0.04	4.52	0.99	
21:51:11	0.60	-0.08	4.32	0.99	CALIBRATION
21:58:20	0.51	0.18	4.49	1.00	
22:02:02	0.41	0.03			
22:05:41	0.51	0.06			
22:09:26	0.38	0.01			
22:23:54	0.24	-0.02		0.99	
22:38:21	0.24	-0.14		0.98	
22:42:02	0.30	-0.13		0.99	
22:45:42	0.17	0.14		0.99	
22:49:22	0.23	-0.02	6.10	0.99	
22:53:04	0.34	0.04	6.21	1.00	
22:56:48	0.43	0.06	6.25	0.99	
23:00:28	0.44	0.04	6.18	0.98	
23:04:08	0.45	-0.21	6.10	0.99	
23:07:50	0.40	0.12	6.00	0.99	
23:11:30	0.36	0.05	5.92	0.99	
23:15:12	0.35	0.00	5.91	0.99	
23:18:52	0.23	-0.01	5.89	0.99	
23:22:34	0.23	0.09	5.86	0.99	
23:26:15	0.13	-0.04	5.86	0.99	
23:29:55	0.11	-0.11	5.76	1.00	
23:33:37	0.08	-0.09	5.62	1.00	
23:37:17	0.12	0.12	5.57	1.00	
23:40:59	0.09	-0.05	5.43	0.99	
23:44:39	0.14	0.02	5.34	0.99	
23:48:21	0.08	0.01	5.33	1.00	
23:52:06	-0.03	0.13	5.35	1.00	
23:55:48	0.08	-0.10	5.29	1.00	
23:59:28	0.10	-0.06	5.35	0.98	
00:02:48	0.02	-0.05	5.32	1.00	
00:06:28	-0.03	-0.04	5.27	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
00:10:12	0.03	-0.07	5.21	0.98	
00:13:52	-0.06	0.01	5.27	0.99	
00:17:32	-0.09	0.02	5.33	0.98	
00:21:13	-0.05	-0.07	5.34	0.99	
00:28:25	0.09	0.05	5.46	1.00	
00:32:07	0.09	-0.06	5.47	0.99	
00:35:46	0.21	0.01	5.54	1.00	
00:39:27	0.24	-0.04	5.62	0.99	
00:43:07	0.17	-0.03	5.68	0.99	
00:46:46	0.03	-0.06	5.61	0.99	
00:50:28	-0.02	0.02	5.66	0.99	
00:54:07	-0.09	-0.04	5.69	0.99	
00:57:47	-0.12	0.04	5.61	0.99	
01:01:30	-0.03	0.10			
01:05:11	0.07	0.07			



SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – SEPTEMBER 3, 1987



PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: SEPTEMBER 3, 1987
JULIAN DATE: 246

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
01:01:30	-0.01	0.04	5.69	1.00	
01:05:11	0.02	0.07	5.76	0.99	
01:08:51	0.10	0.02	5.80	1.00	
01:12:31	0.02	0.04	5.80	0.99	
01:16:11	0.01	-0.09	5.82	0.99	
01:19:51	-0.04	0.01	5.82	0.99	
01:23:31	0.11	0.00	5.77	0.99	
01:27:12	0.06	-0.10	5.79	0.99	
01:30:52	0.02	0.09	5.75	0.98	
01:34:32	0.09	0.13	5.78	1.00	
01:38:11	0.16	0.03	5.80	1.00	
01:41:51	0.07	-0.03	5.85	0.99	
01:46:46	0.02	0.15	5.83	0.98	
01:50:27	0.08	-0.00	5.81	0.99	
01:54:08	-0.09	-0.00	5.74	0.97	
01:57:48	-0.22	0.00	5.70	0.99	
02:01:29	-0.31	-0.01	5.65	0.97	
02:05:09	-0.20	0.04	5.68	0.99	
02:08:50	-0.21	-0.06	5.69	0.98	
02:12:32	-0.13	0.06	5.72	0.98	
02:16:18	-0.08	-0.01	5.71	1.00	CALIBRATION
02:23:29	0.04	0.08	5.79	1.00	
02:27:10	-0.03	-0.09	5.74	1.00	
02:30:52	-0.03	-0.14	5.76	0.99	
02:34:32	-0.01	-0.10	5.76	0.99	
02:38:14	0.07	0.06	5.77	0.99	
02:41:55	0.12	-0.01	5.68	0.99	
02:45:35	0.19	0.09	5.55	0.99	
02:49:17	0.26	0.22	5.28	0.99	
02:52:58	0.28	0.13	4.96	0.99	
02:56:38	0.28	-0.02	4.75	0.99	
03:00:20	0.17	-0.05	4.75	0.98	
03:04:05	0.09	-0.06	4.90	0.99	
03:07:46	-0.03	-0.05	5.11	0.99	
03:11:26	0.01	-0.03	5.44	1.00	
03:15:08	0.09	-0.03	5.67	0.99	
03:18:49	0.09	0.00	5.63	0.99	
03:22:33	0.05	-0.05	5.56	0.99	
03:26:15	0.07	-0.16	5.55	0.99	
03:29:56	0.02	-0.06	5.48	0.99	
03:34:49	-0.18	-0.05	5.36	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
03:38:29	-0.15	0.05	5.39	0.99	
03:42:11	-0.13	0.05	5.40	0.99	
03:45:52	-0.02	0.14	5.40	0.99	
03:49:32	0.00	0.10	5.42	0.99	
03:53:14	0.11	0.14	5.45	0.99	
03:56:55	0.14	0.09	5.45	0.99	
04:00:36	0.21	0.10	6.03	0.99	
04:04:16	0.15	0.04	6.09	0.99	
04:07:57	0.15	0.05	6.19	0.99	
04:11:38	0.03	-0.01	6.28	0.99	CALIBRATION
04:18:48	-0.04	-0.05	6.49	1.00	
04:22:30	-0.10	0.01	6.02	0.98	
04:26:09	-0.16	-0.01	6.11	0.98	
04:29:50	-0.18	-0.08	6.32	0.99	
04:33:32	-0.08	0.07	6.65	0.98	
04:37:13	-0.05	-0.01	7.05	0.99	
04:40:54	-0.07	-0.13	7.39	0.99	
04:44:36	-0.13	-0.07	7.79	0.99	
04:48:15	-0.13	-0.06	7.93	0.99	
04:51:56	-0.11	-0.10	7.94	0.99	
04:55:38	-0.10	-0.06	7.76	0.99	
04:59:23	-0.10	0.03	7.71	0.99	
05:03:04	0.02	0.08	7.59	0.99	
05:06:45	0.07	0.10	7.50	0.99	
05:10:30	0.15	-0.00	7.46	1.00	
05:14:10	0.24	-0.01	7.31	0.99	
05:17:51	0.22	-0.07	7.21	0.98	
05:21:32	0.02	-0.18	7.11	0.99	
05:25:19	-0.05	-0.15	6.96	0.98	
05:29:00	-0.01	0.06	6.88	0.99	
05:32:40	-0.00	-0.07	6.81	0.99	
05:36:21	0.08	0.00	6.76	0.98	
05:40:01	0.28	0.07	6.68	0.99	
05:43:42	0.41	-0.01	6.78	0.98	
05:47:23	0.34	-0.06	6.74	0.99	
05:51:05	0.38	0.02	6.87	0.99	
05:54:46	0.39	0.04	6.96	0.98	
05:58:27	0.53	-0.02	7.16	0.99	
06:02:09	0.50	-0.03	7.45	0.98	
06:05:50	0.48	-0.08	7.72	0.99	CALIBRATION
06:13:13	0.26	0.00	7.97	1.00	
06:16:54	0.16	-0.06	8.05	0.99	
06:20:35	0.07	0.10	8.02	1.00	
06:24:16	0.01	0.27	7.92	0.99	
06:27:56			7.76	1.00	
06:31:37			7.71	0.99	CALIBRATION
06:46:26					
07:01:06				0.98	
07:04:47				0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
07:08:29	0.21	0.24		0.99	
07:12:10	0.18	0.01		0.99	
07:15:51	0.18	-0.05	9.01	0.99	
07:19:32	0.14	-0.19	9.07	0.99	
07:23:12	0.25	-0.36	8.84	0.99	
07:26:53	0.25	-0.38	8.84	0.98	
07:30:35	0.22	-0.25	8.87	0.99	
07:34:14	0.32	-0.20	9.27	0.99	
07:37:59	0.40	-0.02	9.81	0.98	
07:41:40	0.33	0.03	10.35	0.99	
07:45:20	0.66	0.45	10.66	0.99	
07:49:01	0.73	0.39	11.00	0.99	
07:52:42	0.60	0.25	11.00	0.99	
07:56:22	0.54	0.07	10.77	0.99	
08:00:03	0.51	0.06	10.49	0.98	
08:03:44	0.11	-0.34	10.41	0.99	
08:07:23	0.23	-0.00	10.22	0.99	
08:11:11	0.17	-0.39	10.13	0.98	
08:14:51	0.00	0.06	10.31	1.00	
08:18:30	-0.04	-0.00	10.60	0.99	
08:22:11	0.01	0.05	10.75	0.98	
08:25:52	-0.02	-0.33	10.66	0.98	
08:29:31	0.15	0.15	10.43	0.99	
08:33:15	0.35	-0.09	10.03	0.99	
08:36:55	0.43	-0.06	9.81	0.99	
08:40:34	0.89	0.29	9.73	0.99	
08:44:15	0.80	0.13	9.69	0.98	
08:47:54	0.89	0.01	9.69	0.99	
08:55:04	0.97	0.05	9.18	1.00	
08:58:43	0.92	0.12	8.52	1.00	
09:02:24	0.48	-0.31	8.01	1.00	
09:06:05	0.52	0.07	7.72	1.00	
09:09:45	0.39	0.20	7.21	1.00	
09:13:32	0.33	-0.22	7.73	1.00	
09:17:12	0.39	-0.10	8.40	1.00	
09:20:53	0.46	0.02	8.96	1.00	
09:24:32	0.43	-0.04	9.61	0.99	
09:28:13	0.44	-0.21	10.65	1.00	
09:31:54	0.50	0.10	11.26	0.99	
09:35:34	0.49	0.08	11.79	0.99	
09:39:17	0.46	0.17	12.31	0.99	
09:42:57	0.40	0.05	12.59	0.99	
09:46:36	0.44	0.19	12.88	0.99	
09:50:17	0.41	0.19	13.13	0.99	
09:53:57	0.50	0.02	13.37	0.99	
09:57:36	0.49	-0.16	13.50	0.99	
10:01:17	0.62	-0.07	13.90	0.99	
10:04:57	0.55	-0.09	14.23	0.99	
10:08:40	0.48	-0.21	14.42	0.99	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
10:12:21	0.36	-0.10	14.41	0.99	
10:16:02	0.47	0.11	14.58	0.99	
10:19:46	0.44	0.04	14.57	0.99	
10:23:32	0.40	-0.12	14.36	0.99	
10:27:11	0.45	-0.03	14.48	1.00	
10:30:51	0.60	-0.01	14.54	0.99	
10:34:32	0.50	0.10	14.63	1.00	
10:38:13	0.41	0.03	14.67	1.00	
10:41:52	0.53	0.25	14.88	0.99	CALIBRATION
10:49:00	0.60	0.22	14.03	1.00	
10:52:41	0.60	-0.00	13.32	1.00	
10:56:21	0.60	-0.36	12.47	1.00	
11:00:00	0.75	0.02	11.66	1.00	
11:03:41	0.87	-0.10	10.74	1.00	
11:07:21	0.80	-0.07	10.53	1.00	
11:11:00	0.62	0.07	10.27	1.00	
11:14:41	0.67	0.09	9.98	1.00	
11:18:20	0.61	-0.02	9.65	1.00	
11:22:00	0.46	-0.05	9.49	1.00	
11:25:41	0.44	0.01	9.43	1.00	
11:29:22	0.56	0.08	9.41	1.00	
11:33:01	0.64	0.13	9.37	1.00	
11:36:42	0.65	-0.14	9.38	1.00	
11:40:22	0.70	-0.11	9.32	1.00	
11:44:05	0.76	-0.14	9.27	1.00	
11:47:48	0.71	-0.14	9.08	1.00	
11:51:27	0.74	-0.06	8.84	1.00	
11:55:08	0.72	0.12	8.76	1.00	
11:58:47	0.71	0.11	8.65	1.00	
12:02:28	0.76	0.16	8.59	1.00	
12:06:08	0.73	0.01	8.67	0.99	
12:09:49	0.62	-0.04	8.72	1.00	
12:13:28	0.69	-0.17	8.51	1.00	
12:17:09	0.76	0.05	8.36	0.99	
12:20:49	0.83	0.03	8.09	1.00	
12:24:28	0.84	0.02	7.73	1.00	
12:28:09	0.84	0.11	7.35	1.00	
12:31:49	0.84	-0.00	6.68	1.00	
12:35:35	0.77	-0.02	6.39	0.99	CALIBRATION
12:42:43	0.66	-0.18	6.80	0.99	
12:46:24	0.66	-0.23	7.34	1.00	
12:50:06	0.65	-0.12	8.09	1.00	
12:53:46	0.60	0.06	9.01	0.99	
12:57:25	0.67	-0.17	9.65	1.00	
13:01:06	0.71	-0.09	9.64	0.99	
13:04:46	0.81	0.26	9.44	0.99	
13:08:25	0.88	0.16	9.26	0.99	
13:12:06	0.81	-0.01	9.34	0.99	
13:15:47	0.86	0.17	9.32	0.99	

START TIME (PDT)	H_2O_2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H_2CO 15 MIN RUNNING AVERAGE	H_2CO LINEAR CORREL. COEFF.	COMMENTS
13:19:26	0.89	0.27	9.32	0.99	
13:23:10	0.90	0.14	9.48	0.99	
13:26:49	0.93	-0.08	9.67	0.99	
13:30:29	1.02	0.07	9.86	0.99	
13:34:10	0.87	0.02	10.06	0.99	
13:37:49	0.82	-0.02	10.22	0.99	
13:41:29	0.74	-0.06	10.40	0.99	
13:45:14	0.62	0.03	10.37	0.99	
13:48:53	0.61	0.08	10.40	0.99	
13:52:33	0.62	-0.17	10.35	0.99	
13:56:14	0.64	-0.17	10.42	0.99	
13:59:53	0.66	-0.15	10.27	0.98	
14:03:34	0.64	-0.11	10.11	0.99	
14:07:15	0.53	-0.04	9.78	0.98	
14:10:59	0.65	0.21	9.40	0.98	
14:14:38	0.55	0.16	8.90	0.98	
14:18:19	0.47	0.10	8.46	0.98	
14:21:59	0.48	0.17	8.05	0.98	
14:25:38	0.53	-0.01	7.65	0.98	
14:29:19	0.40	-0.12	7.37	0.98	CALIBRATION
14:36:27	0.47	-0.07	7.02	0.99	
14:40:08	0.46	-0.05	6.75	1.00	
14:43:47	0.50	-0.18	6.49	1.00	
14:47:27	0.55	-0.11	6.29	1.00	
14:51:08	0.50	0.03	6.10	1.00	
14:54:47	0.51	-0.03	5.97	0.98	
14:58:27	0.56	-0.05	5.84	0.99	
15:02:11	0.53	0.10	5.75	0.99	
15:05:51	0.40	0.12	5.74	0.99	
15:09:32	0.45	0.02	5.68	0.98	
15:13:13	0.31	0.09	5.58	1.00	
15:16:53	0.35	0.05	5.48	0.99	
15:20:32	0.36	-0.05	5.39	0.99	
15:24:13	0.41	-0.07	5.20	0.98	
15:27:53	0.31	-0.01	5.02	0.99	
15:31:32	0.34	0.03	4.95	0.98	
15:35:13	0.30	0.03	4.91	0.98	
15:38:53	0.26	0.06	4.87	0.98	
15:42:32	0.30	0.02	4.84	0.97	
15:46:13	0.37	-0.09	4.80	0.98	
15:49:55	0.46	-0.15	4.92	0.98	
15:53:36	0.55	-0.06	5.05	0.98	
15:57:16	0.53	-0.13	5.10	0.99	
16:00:56	0.59	0.06	5.17	0.99	
16:04:35	0.61	0.13	5.29	0.98	
16:08:15	0.53	0.12	5.22	0.99	
16:11:55	0.42	-0.04	5.14	0.99	
16:15:37	0.48	0.02	5.07	0.98	
16:19:18	0.38	-0.07	5.03	0.99	

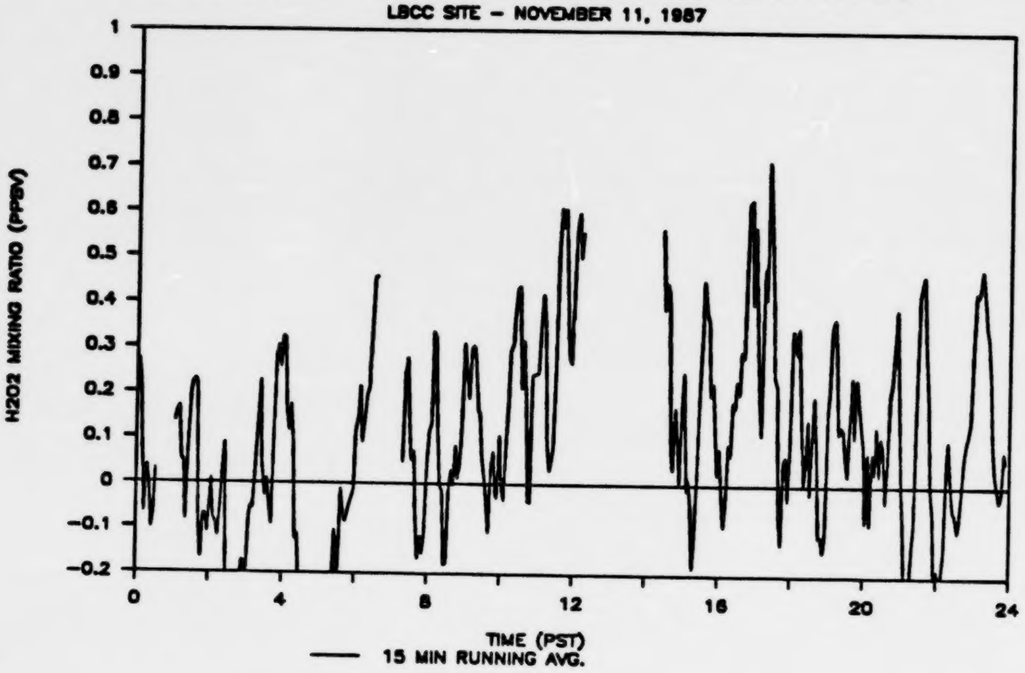
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
16:22:58	0.41	-0.16	4.92	0.97	CALIBRATION
16:30:09	0.37	-0.14	5.23	1.00	
16:33:51	0.42	0.09	5.46	0.99	
16:37:34	0.36	0.16	5.83	1.00	
16:41:16	0.44	0.15	6.17	1.00	
16:44:56	0.32	0.18	6.56	0.99	
16:48:38	0.34	0.05	6.48	0.98	
16:52:18	0.33	0.03	6.49	0.98	
16:55:59	0.33	0.02	6.56	0.98	
16:59:39	0.32	-0.09	6.60	0.99	
17:03:19	0.40	-0.06	6.65	0.99	
17:07:01	0.47	0.06	6.70	0.99	
17:10:41	0.37	-0.05	6.78	0.99	
17:14:22	0.37	-0.12	6.64	0.99	
17:18:02	0.30	-0.03	6.56	0.99	
17:21:44	0.30	0.05	6.45	0.99	
17:25:24	0.28	-0.09	6.30	0.98	
17:29:04	0.32	0.01	6.18	0.97	
17:32:51	0.33	0.00	6.13	0.98	
17:36:31	0.44	0.07	6.13	0.98	
17:40:12	0.41	-0.01	6.04	0.98	
17:43:52	0.37	0.11	6.05	0.99	
17:47:32	0.43	-0.00	5.97	0.97	
17:51:16	0.47	0.06	5.94	0.99	
17:54:54	0.53	-0.10	5.80	0.99	
17:58:35	0.65	-0.01	5.75	0.98	
18:02:18	0.64	-0.09	5.66	0.98	
18:06:00	0.51	0.12	5.60	0.98	
18:09:40	0.45	-0.08	5.54	0.97	
18:13:20	0.41	0.06	5.49	0.99	
18:17:04	0.24	-0.01	5.48	0.98	CALIBRATION
18:24:12	0.25	0.01	5.22	0.99	
18:27:52	0.29	-0.16	4.97	1.00	
18:31:34	0.41	0.09	4.63	0.99	
18:35:14	0.21	-0.06	4.30	0.99	
18:38:54	0.35	-0.07	3.92	0.99	
18:42:35	0.40	0.14	3.81	1.00	
18:46:15	0.48	0.16	3.72	1.00	
18:49:54	0.47	-0.04	3.37	0.96	
18:53:36	0.58	-0.02	3.42	0.96	
18:57:16	0.54	0.13	3.50	0.98	
19:00:56	0.46	-0.16	3.57	0.99	
19:04:41	0.39	-0.24	3.64	0.99	
19:08:23	0.33	-0.04	4.05	1.00	
19:12:03	0.37	-0.09	4.03	1.00	
19:15:42	0.22	-0.14	3.96	1.00	
19:19:24	0.26	-0.02	3.88	1.00	
19:23:04	0.31	0.08	3.72	1.00	
19:26:43	0.28	-0.02	3.58	0.99	

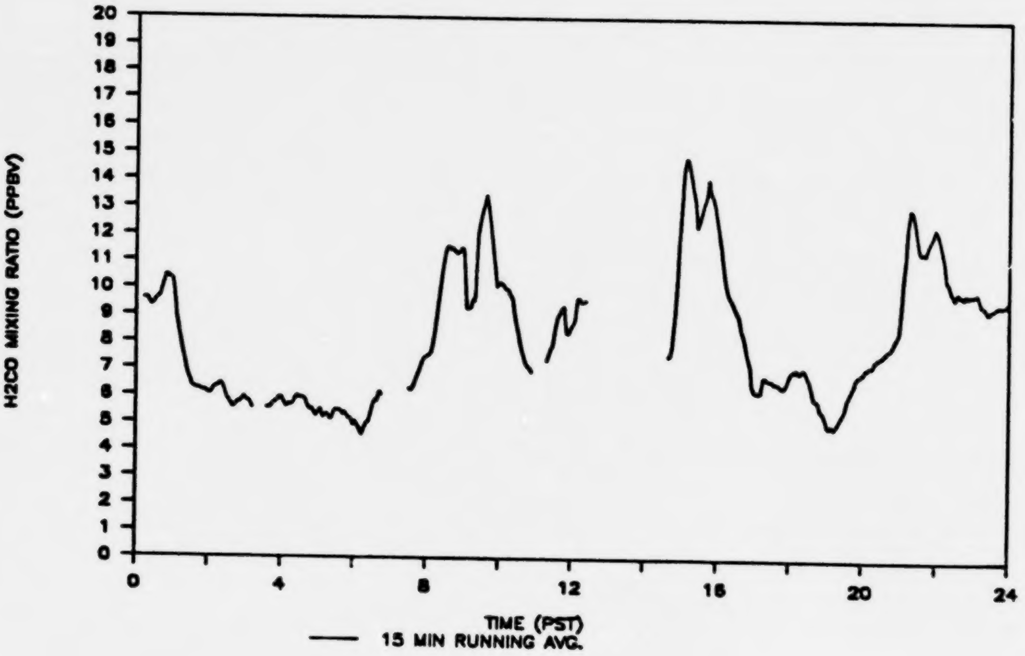
START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
19:30:23	0.33	0.28	3.46	0.99	
19:34:03	0.29	0.04	3.37	0.98	
19:37:44	0.22	-0.05	3.32	1.00	
19:41:24	0.25	0.01	3.41	0.98	
19:45:04	0.19	0.19	3.36	0.98	
19:49:55	0.10	-0.11	3.38	0.95	
19:53:39	0.35	-0.10	3.44	0.98	
19:57:22	0.38	0.03	3.45	0.97	
20:01:02	0.36	-0.04	3.44	0.96	
20:04:43	0.47	-0.21	3.42	0.97	
20:08:23	0.43	-0.04	3.43	0.97	
20:12:03	0.27	0.14	3.51	0.99	CALIBRATION
20:19:11	0.19	0.11	3.56	0.99	
20:22:52	0.10	0.16	3.57	0.97	
20:26:32	0.01	0.10	3.70	0.98	
20:30:12	-0.04	-0.13	3.75	0.99	
20:33:54	-0.02	-0.12	3.76	1.00	
20:37:34	0.10	-0.07	3.71	0.97	
20:41:13	0.18	-0.08	3.70	0.99	
20:44:53	0.25	0.10	3.63	0.97	
20:48:33	0.42	0.26	3.62	1.00	
20:52:14	0.52	0.20	3.53	0.96	
20:55:54	0.47	0.06	3.51	0.98	
20:59:34	0.40	-0.04	3.52	0.98	
21:03:15	0.36	-0.07	3.51	0.98	
21:06:55	0.23	-0.14	3.52	0.99	
21:10:35	0.13	-0.18	3.46	0.98	
21:14:15	0.10	-0.13	3.43	0.97	
21:17:56	0.14	-0.04	3.31	0.94	
21:21:36	0.15	-0.11	3.16	0.94	
21:25:16	0.14	-0.13	2.96	0.95	
21:29:00	0.12	-0.06	2.84	0.95	
21:32:40	0.15	-0.00	2.71	0.98	
21:36:20	0.27	0.05	2.63	0.94	
21:39:59	0.24	-0.01	2.59	0.95	
21:43:39	0.25	0.08	2.57	0.91	
21:47:20	0.32	0.04	2.58	0.92	
21:51:00	0.32	0.03	2.62	0.94	
21:54:45	0.13	0.03	2.66	0.93	
21:58:28	0.17	0.14	2.71	0.95	
22:02:07	0.24	0.12	2.81	0.92	
22:05:49	0.19	0.09	2.84	0.92	CALIBRATION
22:12:57	0.15	0.12	2.84	0.97	
22:16:39	0.16	0.08	2.77	0.97	
22:20:19	0.08	0.03	2.71	0.98	
22:23:59	-0.01	0.08	2.65	0.98	
22:27:38	-0.02	0.03	2.67	0.98	
22:31:26	0.10	-0.06	2.71	0.98	
22:35:05	0.14	-0.14	2.77	0.98	

START TIME (PDT)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
22:38:45	0.18	-0.18	2.85	0.96	
22:42:25	0.24	-0.29	2.83	0.98	
22:46:07	0.25	-0.18	2.77	0.98	
22:49:46	0.12	-0.03	2.71	0.98	
22:53:26	0.13	0.12	2.67	0.99	
22:57:06	0.19	0.22	2.68	0.97	
23:00:48	0.15	0.30	2.70	0.98	
23:04:27	0.18	0.36	2.66	0.98	
23:08:12	0.11	0.05	2.65	0.99	
23:11:52	0.08	-0.00	2.68	0.99	
23:15:33	0.00	-0.14	2.59	0.97	
23:19:13	0.04	-0.24	2.55	0.99	
23:22:58	-0.07	-0.26	2.56	0.99	
23:26:38	0.04	-0.07	2.64	0.98	
23:30:18	0.08	-0.12	2.71	0.99	
23:34:00	0.06	-0.11	2.78	0.99	
23:37:39	0.02	-0.00	2.87	0.99	
23:41:19	0.02	-0.02	2.92	1.00	
23:45:00	0.05	0.00	2.93	0.98	
23:48:40	0.06	0.12	2.90	0.99	
23:52:25	0.24	0.19	2.94	0.97	
23:56:05	0.26	0.10	2.94	0.99	
23:59:45	0.33	0.21	2.98	0.99	
00:06:27	0.28	0.12	2.97	0.97	CALIBRATION
00:10:07	0.25	0.05	2.96	0.96	
00:13:56	0.07	-0.02	2.95	0.97	
00:17:41	0.12	0.02	2.86	0.93	
00:21:23	0.15	-0.08	2.82	0.95	
00:25:03	0.20	-0.00	2.89	0.97	
00:28:44	0.22	-0.02	2.88	0.96	
00:32:25	0.23	0.02	2.87	0.97	
00:36:06	0.05	0.04	2.89	0.97	
00:39:46	0.02	0.07	2.88	0.95	
00:43:30	-0.15	-0.01	2.79	0.98	
00:47:10	-0.29	0.01	2.79	0.94	
00:50:49	-0.30	0.05	2.75	0.95	
00:54:30	-0.19	0.08	2.76	0.96	
00:58:10	-0.25	0.08	2.78	0.94	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 11, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 11, 1987
JULIAN DATE: 315

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
00:02:43	0.34	0.02		1.00	
00:06:20	0.27	-0.05		1.00	
00:09:57	0.22	0.02		1.00	
00:13:32	0.06	-0.01	9.60	1.00	
00:17:10	-0.06	-0.02	9.61	1.00	
00:20:49	0.04	0.03	9.47	1.00	
00:24:26	0.00	-0.05	9.33	1.00	
00:28:03	-0.10	-0.02	9.39	0.99	
00:31:40	-0.07	-0.01	9.51	1.00	
00:35:16	0.03	-0.08	9.61	0.99	
00:38:52			9.65	1.00	
00:42:31			9.94	0.99	
00:48:49			10.46	1.00	
00:52:25			10.43	0.99	
00:56:00			10.36	1.00	
00:59:36			10.30	0.99	
01:03:10			9.84	1.00	
01:06:47	0.14	-0.08	8.92	0.99	
01:10:22	0.16	-0.11	8.44	0.99	
01:13:59	0.17	-0.15	7.99	1.00	
01:17:34	0.05	-0.19	7.56	0.99	
01:21:11	0.05	-0.09	7.19	0.99	
01:24:46	-0.08	-0.11	6.84	0.99	
01:28:21	0.06	0.05	6.58	1.00	
01:31:58	0.20	-0.05	6.37	0.99	
01:35:33	0.22	0.14	6.28	0.98	
01:39:09	0.23	0.01	6.25	0.99	
01:42:44	0.22	-0.02	6.26	1.00	
01:46:21	-0.09	0.01	6.21	1.00	
01:49:56	-0.16	0.11	6.17	1.00	
01:53:31	-0.07	0.02	6.18	1.00	
01:57:09	-0.07	-0.01	6.08	0.99	
02:03:29	-0.11	0.08	6.07	0.99	
02:07:04	0.01	0.04	6.25	0.99	
02:10:40	-0.08	0.05	6.32	0.99	
02:14:17	-0.09	0.06	6.32	0.96	
02:17:54	-0.12	0.03	6.42	0.99	
02:21:29	-0.06	0.03	6.44	0.99	
02:25:05	0.01	-0.10	6.19	0.99	
02:28:42	0.09	-0.19	5.90	0.98	
02:32:19	-0.27	-0.15	5.84	0.98	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
02:35:54	-0.43	0.02	5.69	0.99	
02:39:29	-0.43	-0.01	5.56	0.98	
02:43:06	-0.57	0.05	5.60	0.98	
02:46:47	-0.63	0.15	5.77	0.99	
02:50:24	-0.38	0.08	5.73	0.98	
02:54:01	-0.26	0.09	5.85	0.99	
02:57:36	-0.17	0.12	5.96	0.98	
03:01:12	-0.18	-0.18	5.83	0.99	
03:04:49	-0.22	-0.04	5.79	0.99	
03:08:26	-0.08	-0.09	5.71	0.98	
03:12:06	-0.05	-0.13	5.53	0.97	
03:14:29					CALIBRATION
03:20:09	-0.06	-0.25		0.98	
03:23:47	0.13	0.15		0.98	
03:27:23	0.23	-0.12		0.97	
03:31:03	0.04	-0.07		0.98	
03:34:41	-0.03	-0.07	5.56	0.96	
03:38:17	0.01	0.09	5.53	0.97	
03:41:54	-0.04	-0.03	5.59	0.95	
03:45:31	-0.09	0.11	5.69	0.98	
03:49:06	0.08	0.15	5.75	0.98	
03:52:41	0.27	-0.02	5.81	0.97	
03:56:19	0.30	0.16	5.93	0.97	
03:59:56	0.26	0.09	5.91	0.98	
04:03:32	0.32	0.16	5.74	0.98	
04:07:15	0.32	-0.04	5.59	0.98	
04:10:52	0.16	0.08	5.67	0.97	
04:14:28	0.12	-0.03	5.66	0.99	
04:18:04	0.17	-0.06	5.69	0.98	
04:21:42	0.10	-0.12	5.87	0.98	
04:25:17	-0.12	0.06	6.00	0.96	
04:28:53	-0.11	0.17	5.93	0.96	
04:35:15	-0.26	0.04	5.91	0.99	
04:38:52	-0.34	-0.10	5.83	0.99	
04:42:34	-0.41	0.05	5.64	0.98	
04:46:11	-0.34	0.03	5.50	0.95	
04:49:53	-0.33	0.05	5.53	0.99	
04:53:29	-0.25	0.03	5.34	0.95	
04:57:04	-0.20	0.19	5.24	0.94	
05:00:40	-0.32	-0.11	5.41	0.96	
05:04:16	-0.38	-0.04	5.51	0.92	
05:07:53	-0.47	-0.27	5.20	0.95	
05:11:31	-0.63	0.04	5.32	0.99	
05:15:07	-0.63	-0.05	5.32	0.96	
05:18:45	-0.33	0.09	5.14	0.98	
05:22:20	-0.40	0.04	5.16	1.00	
05:25:56	-0.27	0.14	5.44	0.98	
05:29:32	-0.10	-0.16	5.49	0.97	
05:33:09	-0.23	-0.11	5.46	0.98	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
05:36:45	-0.22	-0.12	5.48	0.98	
05:40:21	-0.01	-0.09	5.30	0.96	
05:43:59	-0.06	-0.17	5.38	0.98	
05:50:30	-0.08	-0.02	5.17	0.94	
05:54:05	-0.05	0.00	5.18	0.97	
05:57:41	-0.03	0.14	4.91	0.89	
06:01:17	-0.01	-0.03	5.06	0.96	
06:04:55	0.11	0.15	4.86	0.97	
06:08:30	0.15	-0.09	4.71	0.95	
06:12:06	0.22	-0.02	4.55	0.94	
06:15:42	0.09	-0.13	4.79	0.94	
06:19:18	0.13	-0.05	4.97	0.99	
06:22:53	0.20	-0.08	5.03	0.99	
06:26:29	0.21	0.03	5.34	0.95	
06:30:05	0.34	0.05	5.70	0.99	
06:33:41	0.45	0.09	5.85	0.99	
06:37:17	0.46	0.09	5.80	0.98	
06:40:58			6.14	0.99	
06:44:36			6.04	0.97	
06:59:06				0.00	CALIBRATION
07:15:16				0.99	
07:18:52				0.94	
07:22:28	0.05	0.01		0.97	
07:26:03	0.24	0.05		0.98	
07:29:39	0.28	0.14	6.26	0.96	
07:33:15	0.14	-0.15	6.20	0.95	
07:36:53	0.05	-0.19	6.38	0.98	
07:40:28	0.07	-0.12	6.60	0.96	
07:44:08	-0.06	-0.08	6.79	0.99	
07:47:44	-0.17	-0.06	7.07	0.99	
07:51:19	-0.12	0.03	7.27	0.97	
07:54:55	-0.15	-0.08	7.43	0.97	
07:58:31	-0.11	-0.04	7.48	0.98	
08:02:06	0.04	0.11	7.53	0.98	
08:05:42	0.11	0.21	7.61	0.98	
08:09:19	0.13	-0.05	7.91	0.99	
08:12:54	0.34	0.18	8.43	0.99	
08:16:28	0.32	0.02	9.15	0.99	
08:20:05	0.12	-0.19	9.83	0.99	
08:23:40	-0.00	-0.25	10.50	0.98	
08:27:21	-0.01	-0.00	11.08	0.98	
08:30:58	-0.18	-0.01	11.49	0.99	
08:34:32	-0.17	0.19	11.58	0.99	
08:38:09	-0.00	0.14	11.45	0.97	
08:41:44	0.03	-0.03	11.51	0.99	
08:45:22	-0.00	-0.07	11.38	0.96	
08:48:56	0.08	0.03	11.30	0.98	
08:52:33	0.01	-0.17	11.40	0.97	
08:56:07	0.05	-0.09	11.52	0.97	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
08:59:44	0.13	0.03	11.48	0.98	
09:08:03	0.31	0.12	9.27	0.97	
09:11:39	0.19	-0.10	9.32	0.97	
09:15:24	0.30	0.19	9.63	0.97	
09:18:59	0.31	0.02	9.58	0.96	
09:22:34	0.28	0.05	11.98	0.96	
09:26:11	0.16	-0.05	12.38	0.98	
09:29:46	0.16	0.04	12.81	0.96	
09:33:22	0.06	-0.23	13.11	0.97	
09:36:59	0.01	0.05	13.45	0.97	
09:40:34	-0.03	-0.06	12.97	0.97	
09:44:09	-0.11	0.12	12.22	0.95	
09:47:45	0.04	-0.03	11.47	0.97	
09:51:20	0.07	-0.03	10.75	0.97	
09:54:56	-0.02	-0.08	10.10	0.97	
09:58:31	-0.03	-0.05	10.24	0.97	
10:02:12	0.11	-0.01	10.23	0.98	
10:05:49	-0.01	0.08	10.15	0.98	
10:09:24	-0.03	0.14	10.00	0.97	
10:12:59	0.08	-0.03	10.01	0.96	
10:16:35	0.18	0.19	9.82	0.94	
10:20:12	0.30	0.00	9.66	0.96	
10:23:50	0.31	-0.02	9.17	0.98	
10:27:25	0.38	0.06	8.70	0.98	
10:31:02	0.43	0.07	8.31	0.96	
10:34:37	0.44	-0.16	7.85	0.97	
10:38:13	0.21	-0.04	7.56	0.96	
10:41:48	0.32	-0.05	7.28	0.97	
10:45:25	0.19	-0.05	7.11	0.96	
10:48:59	-0.04	-0.08	7.07	0.96	
10:52:34	-0.04	0.05	6.91	0.96	
10:55:57					CALIBRATION
11:02:37	0.24	-0.05		1.00	
11:06:12	0.25	-0.05		0.98	
11:09:46	0.36	-0.11		0.99	
11:13:24	0.42	-0.02		1.00	
11:16:58	0.35	-0.03	7.33	0.99	
11:20:38	0.09	-0.05	7.56	0.99	
11:24:13	0.03	0.11	7.75	1.00	
11:27:48	0.05	0.04	7.92	0.99	
11:31:24	0.08	0.12	8.47	0.99	
11:34:58	0.26	0.25	8.91	0.99	
11:38:37	0.52	0.14	9.11	0.99	
11:42:13	0.61	0.09	9.27	0.99	
11:45:47	0.57	0.05	9.36	0.99	
11:49:24	0.61	0.07	8.40	0.98	
11:53:06	0.41	-0.32	8.34	0.99	
11:56:41	0.28	0.08	8.54	0.99	
12:00:21	0.27	-0.03	8.70	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
12:03:56	0.44	0.00	8.81	1.00	
12:07:32	0.57	-0.05	9.67	0.99	
12:11:07	0.60	0.12	9.68	1.00	
12:14:41	0.50	-0.08	9.53	1.00	
12:18:18	0.56	0.03	9.54	1.00	
12:21:53			9.60	0.99	
12:25:29					NO DATA
14:08:43					CALIBRATION
14:23:57				1.00	
14:27:33				0.99	
14:31:12	0.56	-0.23		0.99	
14:34:50	0.39	-0.14		0.99	
14:38:28	0.44	0.13	7.53	0.99	
14:42:06	0.42	-0.10	7.60	0.99	
14:45:44	0.08	-0.27	7.95	1.00	
14:49:21	0.03	0.11	9.08	0.99	
14:53:06	0.17	0.04	10.43	0.99	
14:56:44	0.09	-0.14	11.85	1.00	
15:00:22	0.01	-0.04	13.34	0.99	
15:04:00	0.19	0.07	14.44	0.99	
15:07:38	0.25	-0.17	14.86	1.00	
15:11:17	-0.01	-0.13	14.66	0.99	
15:14:55	0.01	-0.01	14.31	1.00	
15:18:33	-0.04	0.12	13.81	1.00	
15:22:11	-0.18	0.21	13.35	1.00	
15:25:49	-0.10	0.42	12.34	0.99	
15:29:27	0.04	0.21	12.59	1.00	
15:33:07	0.21	-0.03	12.88	1.00	
15:36:45	0.33	0.02	13.15	1.00	
15:40:23	0.45	-0.18	13.45	1.00	
15:44:01	0.38	-0.14	14.08	0.99	
15:47:39	0.37	-0.11	13.63	0.99	
15:51:17	0.20	0.12	13.40	1.00	
15:54:58	0.22	-0.06	13.12	1.00	
15:58:36	0.14	0.10	12.58	1.00	
16:02:15	0.02	-0.06	12.10	1.00	
16:05:54	0.08	-0.12	11.58	0.99	
16:09:32	-0.02	-0.08	10.83	0.99	
16:13:09	-0.09	-0.06	10.26	1.00	
16:16:48	-0.03	-0.04	9.87	0.99	
16:20:27	0.09	0.19	9.71	0.99	
16:24:04	0.07	0.26	9.56	0.99	
16:27:49	0.18	0.06	9.35	1.00	
16:31:28	0.17	0.02	9.21	0.99	
16:35:05	0.23	0.07	9.01	0.99	
16:38:43	0.20	-0.15	8.59	0.98	
16:42:22	0.30	-0.22	8.29	1.00	
16:46:01	0.28	0.02	8.00	0.99	
16:49:38	0.45	0.23	7.53	1.00	

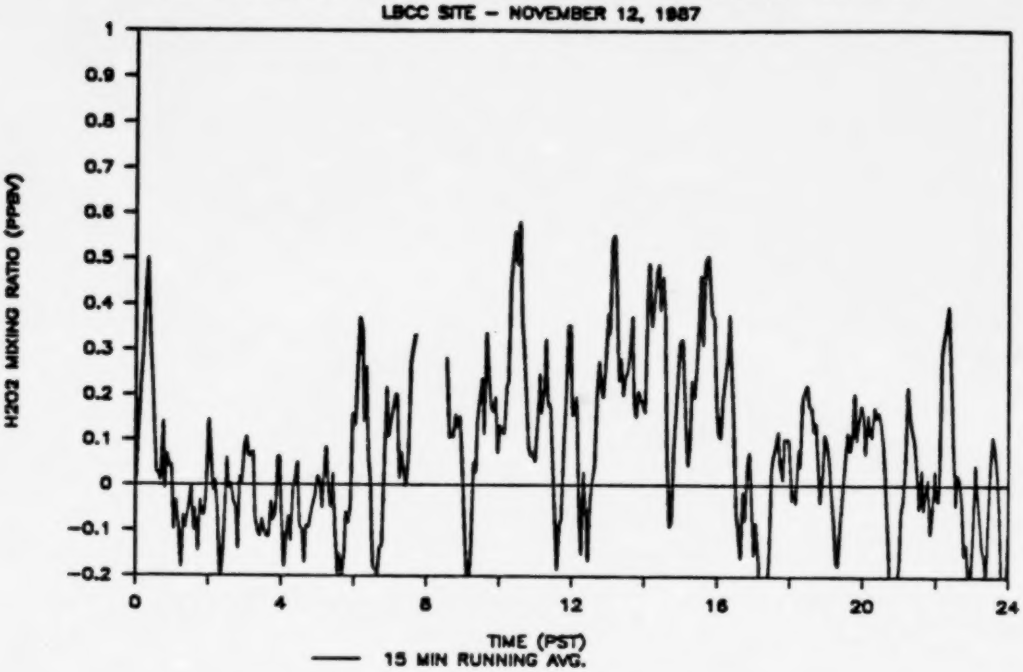
START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
16:53:17	0.62	0.05	7.20	1.00	
16:56:54	0.63	-0.08	6.48	0.97	
17:00:45	0.40	0.06	6.24	0.99	
17:04:22	0.57	0.09	6.21	0.98	
17:08:01	0.34	-0.14	6.19	0.98	
17:11:38	0.21	-0.11	6.21	0.99	
17:15:17	0.11	0.20	6.77	0.98	
17:18:54	0.48	0.31	6.79	0.99	
17:22:33	0.41	0.10	6.67	0.98	
17:26:10	0.71	0.07	6.67	0.98	
17:29:52	0.58	-0.09	6.65	0.99	
17:33:29	0.42	0.04	6.53	0.98	
17:37:07	0.24	-0.15	6.56	0.98	
17:40:46	0.22	-0.26	6.50	0.97	
17:44:23	-0.06	0.01	6.42	0.99	
17:48:02	-0.13	0.15	6.37	0.99	
17:51:41	0.05	-0.22	6.42	0.99	
17:55:19	0.06	-0.14	6.61	1.00	
17:58:58	-0.03	0.13	6.87	0.99	
18:02:35	0.08	-0.04	6.97	0.98	
18:06:14	0.34	-0.05	7.01	0.97	
18:09:51	0.34	0.05	7.08	0.99	
18:13:30	0.29	0.01	6.96	0.98	
18:17:10	0.35	-0.19	6.96	0.99	
18:20:47	0.20	-0.26	7.09	0.98	
18:24:24	0.00	0.04	7.04	0.97	
18:28:03	0.03	0.04	6.79	0.98	
18:31:42	0.14	0.12	6.67	0.99	
18:35:19	-0.02	0.18	6.37	0.98	
18:38:58	0.09	0.29	5.99	0.99	
18:42:35	0.20	0.04	5.96	0.97	
18:46:13	0.10	-0.08	5.86	0.97	
18:49:52	-0.11	-0.02	5.57	0.99	
18:53:29	-0.11	-0.09	5.50	0.98	
18:57:08	-0.15	0.00	5.28	0.99	
19:00:47	-0.10	0.09	5.02	0.95	
19:04:24	0.16	-0.07	4.92	0.98	
19:08:06	0.21	0.11	4.99	0.95	
19:11:43	0.35	0.08	4.89	0.98	
19:15:22	0.37	0.02	4.97	0.96	
19:19:00	0.30	-0.15	5.09	0.99	
19:22:37	0.12	0.25	5.27	1.00	
19:26:21	0.13	-0.12	5.41	0.99	
19:30:00	0.13	0.02	5.57	0.95	
19:33:38	0.06	-0.13	5.95	0.99	
19:37:17	0.02	0.02	6.11	0.97	
19:40:54	0.15	-0.18	6.31	0.99	
19:44:33	0.24	-0.23	6.49	0.96	
19:48:16	0.11	-0.08	6.76	0.98	

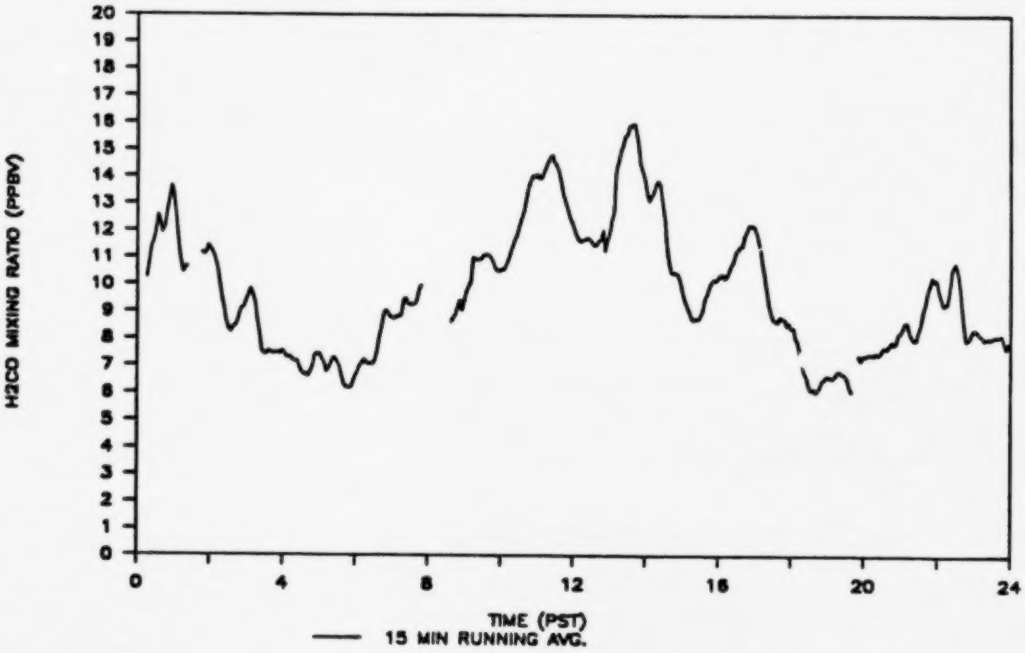
START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
19:55:46	0.24	-0.06	6.89	0.98	
19:59:23	0.14	-0.08	6.94	0.98	
20:03:02	0.09	-0.03	7.06	0.99	
20:06:39	-0.08	0.29	7.13	0.99	
20:10:18	0.07	-0.07	7.18	0.99	
20:13:57	-0.08	0.13	7.17	0.97	
20:17:42	0.07	0.15	7.39	0.99	
20:21:22	0.03	0.13	7.45	1.00	
20:24:59	0.13	-0.13	7.55	0.99	
20:28:38	0.02	0.01	7.54	0.99	
20:32:15	0.11	-0.03	7.62	0.99	
20:36:00	0.08	-0.11	7.71	0.99	
20:39:39	-0.03	0.08	7.80	0.99	
20:43:17	0.04	0.03	7.84	0.99	
20:46:58	0.20	0.04	7.96	0.99	
20:50:36	0.23	0.08	8.16	1.00	
20:54:15	0.30	-0.06	8.31	0.98	
20:57:52	0.39	-0.18	8.46	0.98	
21:01:31	0.21	-0.07	9.31	0.99	
21:05:09	0.00	-0.00	10.31	0.98	
21:08:48	-0.07	-0.17	11.29	0.99	
21:12:25	-0.30	0.09	12.39	0.99	
21:16:04	-0.36	-0.01	13.07	0.99	
21:19:43	-0.29	0.16	12.92	0.99	
21:23:20	-0.13	0.10	12.67	0.99	
21:27:00	-0.08	0.22	12.12	0.99	
21:30:37	0.19	0.22	11.57	0.99	
21:34:16	0.42	0.04	11.41	1.00	
21:37:59	0.44	-0.08	11.47	0.99	
21:41:38	0.46	-0.25	11.40	0.98	
21:46:26	0.31	-0.21	11.78	0.98	
21:50:05	0.19	-0.27	11.92	0.99	
21:53:42	-0.00	-0.08	12.07	0.98	
21:57:21	-0.06	-0.05	12.37	0.99	
22:00:58	-0.29	0.08	12.20	0.98	
22:04:36	-0.18	-0.00	11.92	0.97	
22:08:15	-0.21	-0.04	11.63	0.98	
22:11:52	-0.22	0.04	11.14	0.99	
22:15:45	-0.15	0.07	10.41	0.98	
22:19:22	0.05	0.03	10.40	0.99	
22:23:04	0.10	0.11	10.08	0.98	
22:26:41	0.02	0.03	9.88	0.98	
22:30:20	-0.05	-0.05	9.76	0.98	
22:33:57	-0.06	0.10	10.00	0.96	
22:37:36	-0.10	0.04	9.89	0.98	
22:41:13	-0.08	0.05	9.89	0.97	
22:44:52	-0.02	0.04	9.80	0.98	
22:48:29	0.06	0.14	9.93	0.99	
22:52:07	0.10	-0.08	9.84	0.98	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
22:55:46	0.11	0.03	9.91	0.97	
22:59:23	0.14	0.01	9.88	0.99	
23:03:02	0.30	0.00	9.92	0.99	
23:06:39	0.43	-0.01	9.98	0.99	
23:10:18	0.42	-0.16	9.79	0.98	
23:13:55	0.44	0.17	9.54	0.98	
23:17:34	0.48	-0.12	9.52	0.97	
23:21:11	0.42	0.09	9.39	0.99	
23:24:50	0.35	-0.03	9.24	0.98	
23:28:28	0.32	0.03	9.31	0.98	
23:32:05	0.24	-0.26	9.38	0.97	
23:35:44	0.10	0.04	9.40	0.99	
23:39:23	0.03	-0.16	9.48	0.98	
23:43:01	-0.01	-0.07	9.54	0.98	
23:46:40	-0.03	0.08	9.47	0.98	
23:50:19	-0.02	0.11	9.51	0.98	
23:53:58	0.08	0.11	9.50	0.98	
23:57:39	0.06	0.10	9.66	0.98	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 12, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 12, 1987
JULIAN DATE: 316

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
00:00:46	0.01	0.14		0.98	
00:04:26	0.12	0.04		0.98	
00:08:04	0.22	0.04		0.97	
00:11:43	0.29	-0.10		0.98	
00:15:22	0.42	0.06	10.26	0.97	
00:19:10	0.50	0.05	10.79	0.98	
00:22:49	0.34	0.06	11.41	0.97	
00:26:28	0.25	0.08	11.59	0.98	
00:30:06	0.16	-0.00	11.92	0.98	
00:33:45	0.03	-0.13	12.56	0.96	
00:37:24	0.02	-0.03	12.27	0.97	
00:41:02	0.01	0.02	11.92	0.99	
00:44:39	0.14	-0.07	12.11	0.99	
00:48:24	-0.01	-0.07	12.62	0.99	
00:52:03	0.07	0.23	13.06	0.97	
00:55:41	0.04	-0.01	13.65	0.99	
00:59:18	0.04	-0.09	13.45	0.98	
01:02:57	-0.10	0.01	12.65	0.98	
01:06:36	-0.03	0.02	11.74	0.98	
01:10:14	-0.08	-0.20	11.01	0.97	
01:15:04	-0.18	-0.11	10.45	0.97	
01:18:43	-0.07	-0.06	10.60	0.96	
01:22:20	-0.09	-0.18	10.69	0.98	
01:25:15				0.00	CALIBRATION
01:31:27	-0.00	-0.02		0.98	
01:35:07	-0.10	-0.14		0.99	
01:38:46	-0.05	-0.13		0.99	
01:42:31	-0.14	-0.07		0.99	
01:46:10	-0.03	0.03	11.19	0.99	
01:49:48	-0.07	-0.03	11.12	1.00	
01:53:25	-0.06	0.12	11.23	1.00	
01:57:03	0.00	0.15	11.45	1.00	
02:00:43	0.15	0.18	11.34	0.99	
02:04:21	0.05	0.02	11.12	0.99	
02:08:01	-0.01	-0.04	10.95	1.00	
02:11:42	0.01	-0.10	10.64	0.99	
02:15:21	-0.06	0.06	10.07	1.00	
02:19:00	-0.22	-0.07	9.50	0.99	
02:22:39	-0.17	0.14	9.11	0.99	
02:26:21	-0.09	0.32	8.62	0.99	
02:29:58	0.06	0.15	8.37	0.99	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
02:33:37	-0.01	0.09	8.24	0.99	
02:37:16	0.00	0.08	8.43	0.99	
02:40:55	-0.04	0.01	8.45	0.99	
02:44:34	-0.05	-0.03	8.65	0.98	
02:48:13	-0.14	-0.02	8.96	0.99	
02:51:52	0.02	-0.08	9.12	0.99	
02:55:31	0.00	0.13	9.15	1.00	
02:59:10	0.08	-0.03	9.42	1.00	
03:02:49	0.11	-0.12	9.61	1.00	
03:06:28	0.07	0.04	9.83	1.00	
03:10:07	0.06	-0.02	9.64	1.00	
03:13:49	0.08	-0.22	9.32	0.98	
03:17:29	-0.07	-0.09	8.70	0.98	
03:21:07	-0.10	-0.14	8.21	0.99	
03:24:47	-0.11	-0.13	7.55	1.00	
03:28:25	-0.07	-0.00	7.43	0.99	
03:32:10	-0.10	0.02	7.41	1.00	
03:35:50	-0.11	-0.10	7.56	0.99	
03:39:28	-0.11	0.02	7.51	1.00	
03:43:08	-0.04	0.02	7.45	0.99	
03:46:46	-0.08	-0.06	7.48	0.99	
03:50:26	-0.06	-0.05	7.48	1.00	
03:54:04	0.06	0.12	7.44	1.00	
03:57:44	0.06	0.10	7.55	0.99	
04:01:21	-0.07	-0.05	7.51	0.99	
04:05:00	-0.18	0.09	7.34	0.99	
04:08:38	-0.11	0.06	7.31	0.99	
04:12:17	-0.07	-0.06	7.34	0.99	
04:15:55	-0.12	0.01	7.13	0.98	
04:19:34	-0.01	0.17	7.16	0.99	
04:23:14	0.02	-0.04	7.18	1.00	
04:26:51	0.05	-0.02	6.94	0.97	
04:30:31	-0.09	0.10	6.74	0.99	
04:34:10	-0.10	0.04	6.71	0.99	
04:37:50	-0.17	-0.02	6.66	0.99	
04:41:29	-0.09	0.14	6.61	0.98	
04:45:09	-0.09	0.06	6.81	0.99	
04:48:52	-0.06	-0.00	7.02	0.99	
04:52:33	-0.04	-0.01	7.40	1.00	
04:56:11	-0.02	-0.04	7.43	0.99	
04:59:52	0.02	-0.03	7.42	0.97	
05:03:30	0.01	0.04	7.29	0.99	
05:07:09	-0.05	-0.05	7.08	0.99	
05:10:47	0.02	-0.07	6.77	0.99	
05:14:28	0.08	-0.06	6.86	0.97	
05:18:06	-0.01	-0.10	7.05	0.99	
05:21:45	-0.05	-0.09	7.27	0.98	
05:25:25	0.03	-0.00	7.29	0.98	
05:29:04	-0.09	0.04	7.14	0.97	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
05:32:42	-0.19	-0.05	6.97	0.98	
05:36:21	-0.15	-0.01	6.68	0.99	
05:40:01	-0.20	0.01	6.32	0.99	
05:43:40	-0.16	0.02	6.22	0.98	
05:47:18	-0.06	-0.07	6.17	0.98	
05:50:57	-0.08	0.01	6.19	0.98	
05:54:37	-0.05	0.08	6.34	0.99	
05:58:22	0.16	-0.09	6.58	0.97	
06:02:01	0.13	0.00	6.77	0.99	
06:05:41	0.24	0.06	6.96	0.98	
06:09:22	0.37	0.08	7.07	0.95	
06:13:05	0.34	-0.04	7.22	0.98	
06:16:43	0.14	0.08	7.13	0.98	
06:20:28	0.26	0.08	7.05	0.98	
06:24:07	0.06	-0.02	7.08	0.99	
06:27:47	0.00	-0.02	7.05	0.96	
06:31:26	-0.18	0.03	7.19	0.98	
06:35:06	-0.18	0.11	7.52	0.98	
06:38:45	-0.20	-0.04	8.08	0.98	
06:42:23	-0.14	0.05	8.41	0.97	
06:46:02	-0.13	0.09	8.92	0.97	
06:49:40	0.03	-0.04	9.05	0.95	
06:53:19	0.22	-0.00			
06:56:59	0.11	-0.11	8.79	0.84	
07:04:21	0.17	-0.07	8.73	0.98	
07:08:01	0.20	-0.05	8.83	0.96	
07:11:40	0.20	-0.01	8.82	0.94	
07:15:20	0.02	-0.12	8.87	0.98	
07:18:59	0.07	-0.00	9.42	0.98	
07:22:39	0.03	-0.01	9.48	0.95	
07:26:18	-0.00	0.01	9.28	0.92	
07:29:56	0.06	-0.02	9.25	1.00	
07:33:35	0.27	0.03	9.26	0.98	
07:37:15	0.31	0.11	9.27	0.99	
07:40:54	0.33	0.09	9.44	1.00	
07:44:32			9.86	0.99	
07:48:13			9.97	1.00	
08:10:29				0.00	CALIBRATION
08:26:10				0.99	
08:29:53				1.00	
08:33:31	0.28	-0.11		0.99	
08:37:10	0.11	-0.02	8.60	1.00	
08:40:48	0.12	0.04	8.76	1.00	
08:44:26	0.11	0.23	8.88	1.00	
08:48:04	0.16	0.02	9.15	1.00	
08:51:42	0.13	0.04	9.42	1.00	
08:55:19	0.15	-0.14	9.04	1.00	
08:59:05	0.04	-0.07	9.39	1.00	
09:02:43	-0.08	-0.14	9.76	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
09:06:22	-0.20	0.04	9.92	1.00	
09:10:00	-0.24	0.09	10.11	1.00	
09:13:38	-0.14	0.11	11.02	1.00	
09:17:16	0.05	-0.11	10.97	0.99	
09:20:54	0.03	0.05	10.91	0.99	
09:24:31	0.15	0.07	10.91	1.00	
09:28:09	0.20	-0.15	11.00	0.99	
09:31:47	0.24	-0.18	11.09	1.00	
09:35:25	0.11	-0.03	11.13	1.00	
09:39:03	0.34	-0.06	11.11	0.99	
09:42:42	0.25	-0.02	11.02	0.98	
09:46:20	0.17	0.08	10.89	1.00	
09:49:58	0.16	0.11	10.65	0.99	
09:53:36	0.20	0.08	10.51	1.00	
09:57:17	0.07	0.11	10.50	1.00	
10:00:55	0.13	0.18	10.59	1.00	
10:04:33	0.12	-0.09	10.55	0.99	
10:08:11	0.12	0.01	10.74	1.00	
10:11:49	0.22	0.12	10.95	1.00	
10:15:28	0.23	-0.04	11.18	0.98	
10:19:06	0.45	-0.14	11.43	1.00	
10:22:44	0.51	0.22	11.67	0.98	
10:26:22	0.56	0.06	11.86	1.00	
10:30:00	0.49	-0.01	12.18	0.99	
10:33:40	0.58	-0.06	12.43	1.00	
10:37:23	0.36	0.05	12.71	1.00	
10:41:01	0.30	-0.06	13.11	1.00	
10:44:40	0.20	-0.19	13.57	1.00	
10:48:18	0.09	-0.10	13.82	0.99	
10:52:03	0.07	0.01	14.04	1.00	
10:55:42	0.07	-0.21	14.03	0.99	
10:59:19	0.05	-0.01	14.10	0.99	
11:02:57	0.13	0.17	13.99	1.00	
11:06:35	0.25	0.05	13.96	0.99	
11:10:13	0.16	0.03	14.14	0.99	
11:13:52	0.21	0.11	14.37	0.99	
11:17:30	0.32	-0.19	14.54	1.00	
11:21:08	0.18	-0.08	14.73	0.99	
11:24:46	0.18	-0.08	14.82	1.00	
11:28:24	0.06	-0.08	14.55	0.99	
11:32:05	-0.06	-0.02	14.44	1.00	
11:35:43	-0.18	0.01	14.20	1.00	
11:39:20	-0.09	-0.13	13.79	1.00	
11:42:58	-0.07	0.03	13.35	1.00	
11:46:43	0.09	-0.03	13.06	1.00	
11:50:21	0.20	-0.01	12.76	0.99	
11:53:59	0.35	0.07	12.48	1.00	
11:57:38	0.35	0.11	12.29	1.00	
12:01:16	0.16	-0.11	12.09	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
12:04:54	0.17	0.13	11.86	1.00	
12:08:32	0.20	-0.07	11.72	1.00	
12:12:10	-0.06	-0.03	11.63	1.00	
12:15:48	-0.15	0.11	11.65	0.99	
12:19:26	0.03	0.18	11.72	1.00	
12:23:04	-0.05	0.02	11.74	0.99	
12:26:44	-0.16	0.10	11.71	1.00	
12:30:22	-0.04	0.09	11.59	0.99	
12:33:59	0.01	0.03	11.47	1.00	
12:37:37	0.04	0.11	11.48	0.99	
12:41:15	0.21	0.21	11.62	0.99	
12:44:53	0.27	0.10	11.70	0.99	
12:48:31	0.22	0.05	12.04	1.00	
12:52:10	0.20	0.02	11.25	0.98	
12:55:56	0.25	0.00	11.62	0.99	
12:59:33	0.38	-0.02	11.97	0.99	
13:03:11	0.34	-0.03	12.42	1.00	
13:06:49	0.54	0.06	12.69	0.99	
13:10:30	0.55	-0.03	14.28	1.00	
13:14:08	0.43	-0.05	14.55	0.99	
13:17:45	0.23	-0.17	14.98	1.00	
13:21:23	0.28	0.03	15.21	1.00	
13:25:01	0.20	-0.19	15.52	1.00	
13:28:39	0.24	-0.07	15.60	0.99	
13:32:17	0.25	-0.18	15.91	0.99	
13:35:57	0.31	0.10	15.92	0.99	
13:39:35	0.37	-0.06	15.99	1.00	
13:43:13	0.18	-0.06	15.79	0.99	
13:46:50	0.15	-0.03	15.26	0.99	
13:50:28	0.21	0.05	14.53	0.99	
13:57:50	0.18	-0.13	13.98	0.98	
14:01:28	0.16	-0.05	13.44	0.99	
14:05:06	0.43	0.17	13.12	0.99	
14:08:44	0.49	-0.01	13.28	0.99	
14:12:22	0.35	0.07	13.46	0.99	
14:16:02	0.40	-0.02	13.73	0.99	
14:19:40	0.47	0.09	13.89	0.99	
14:23:17	0.49	-0.19	13.72	0.99	
14:26:55	0.39	-0.02	13.15	0.99	
14:30:36	0.46	0.00	12.40	0.99	
14:34:14	0.39	-0.10	11.55	0.98	
14:37:52	0.06	-0.20	10.89	0.99	
14:41:29	-0.09	0.17	10.50	0.99	
14:45:07	-0.08	0.16	10.42	0.99	
14:48:48	0.08	0.09	10.45	0.97	
14:52:26	0.16	0.17	10.38	0.98	
14:56:06	0.26	0.13	10.18	0.98	
14:59:41	0.32	-0.05	9.86	0.98	
15:03:19	0.32	-0.24	9.47	0.99	

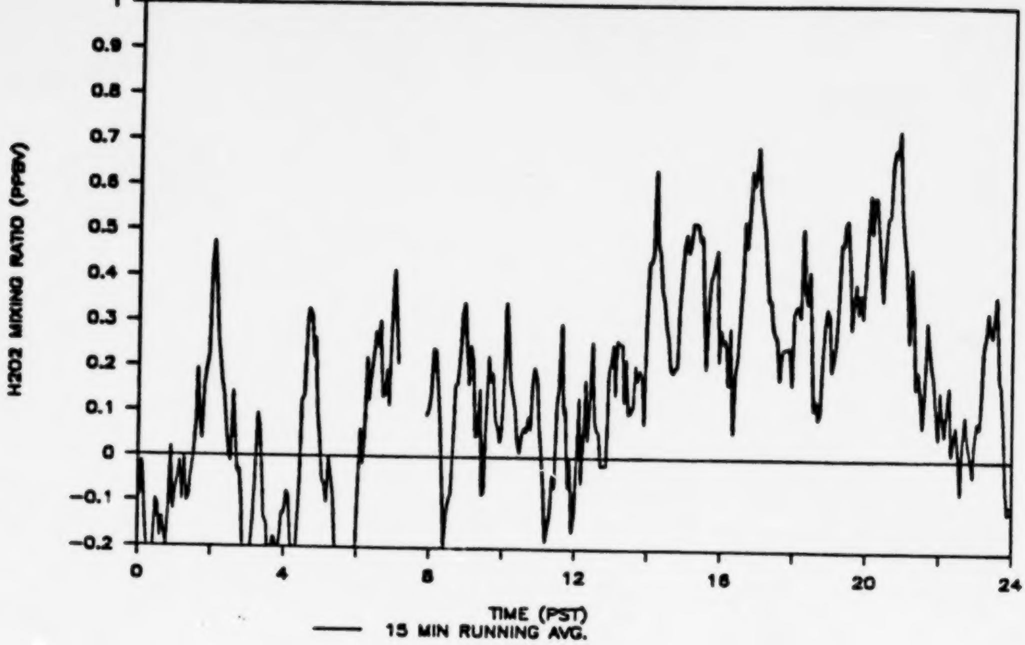
START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
15:08:10	0.14	-0.24	9.19	0.98	
15:11:48	0.05	-0.08	8.98	0.99	
15:15:25	0.09	0.07	8.75	0.99	
15:19:03	0.23	-0.04	8.69	0.98	
15:22:41	0.19	0.11	8.76	0.98	
15:26:21	0.27	0.19	8.73	0.98	
15:29:59	0.34	0.18	8.83	0.99	
15:33:42	0.46	0.03	9.04	0.98	
15:37:21	0.31	-0.05	9.48	0.99	
15:40:59	0.49	0.08	9.66	0.98	
15:44:37	0.51	-0.10	9.96	0.97	
15:48:15	0.45	-0.17	10.11	0.98	
15:51:53	0.38	-0.08	10.19	0.98	
15:55:30	0.37	0.01	10.16	0.99	
15:59:08	0.18	-0.13	10.25	0.98	
16:02:46	0.11	-0.01	10.41	0.99	
16:06:25	0.11	0.03	10.37	0.99	
16:10:02	0.19	-0.05	10.25	0.98	
16:13:41	0.23	0.05	10.30	0.99	
16:17:18	0.29	0.05	10.57	0.99	
16:20:57	0.38	0.07	10.74	0.99	
16:24:37	0.25	-0.04	10.86	0.97	
16:28:16	0.12	0.01	11.23	0.99	
16:31:53	-0.06	0.00	11.31	0.99	
16:35:31	-0.10	-0.01	11.44	0.99	
16:39:10	-0.16	-0.15	11.45	0.99	
16:42:47	-0.01	-0.01	11.86	0.99	
16:46:26	-0.08	0.13	12.02	0.99	
16:50:03	0.04	-0.06	12.25	0.99	
16:53:42	0.07	0.03	12.22	0.99	
16:57:21	-0.05	-0.06	12.22	0.99	
17:00:58	-0.15	0.19	12.08	1.00	
17:04:35	-0.08	-0.11	11.79	0.98	
17:08:14	-0.17	0.11	11.31	0.99	
17:11:52	-0.31	-0.05	10.87	0.99	
17:15:29	-0.29	0.06	10.41	0.99	
17:19:08	-0.27	-0.15	9.82	0.99	
17:22:45	-0.27	-0.00	9.23	0.99	
17:26:24	-0.15	-0.07	8.96	0.99	
17:30:01	0.03	-0.03	8.72	0.98	
17:33:40	0.06	0.17	8.69	0.99	
17:37:17	0.09	0.08	8.63	0.99	
17:40:56	0.12	0.09	8.84	1.00	
17:44:33	0.04	0.07	8.75	0.98	
17:48:11	0.01	0.15	8.75	0.99	
17:51:50	0.10	0.01	8.51	0.99	
17:55:27	0.10	0.07	8.61	0.99	
17:59:37	0.10	-0.03	8.41	0.99	
18:03:16	-0.03	0.01	8.42	0.99	

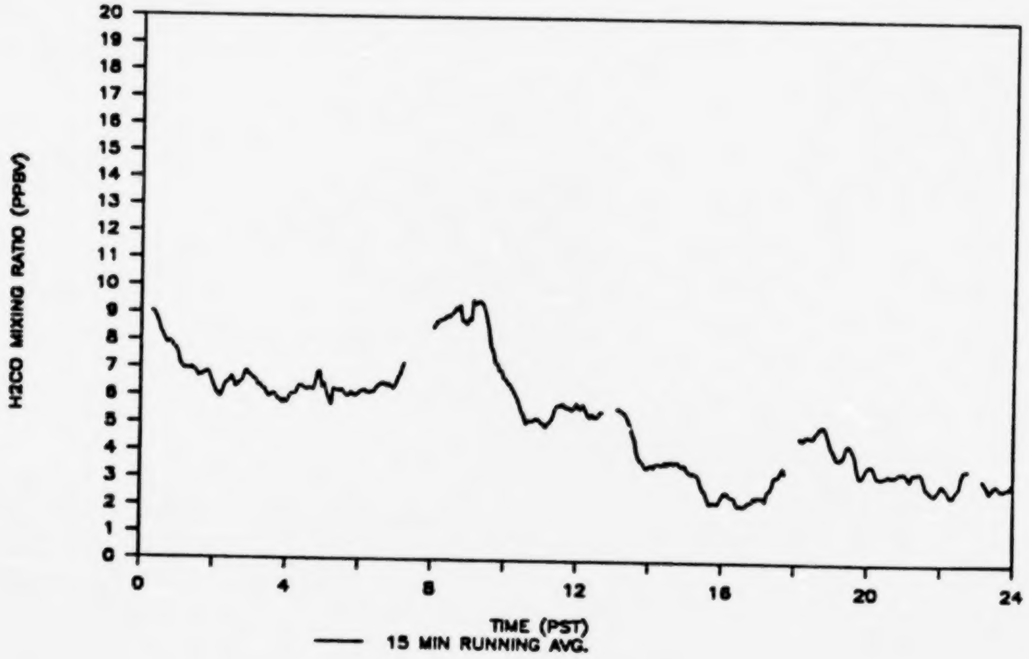
START TIME (PST)	H_2O_2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H_2CO 15 MIN RUNNING AVERAGE	H_2CO LINEAR CORREL. COEFF.	COMMENTS
18:06:53	-0.01	-0.18	8.03	0.99	
18:10:30	-0.04	-0.13	7.92	0.99	
18:14:09	0.08	-0.18	7.41	0.98	
18:17:46	0.04	0.03	7.08	0.99	
18:21:23	0.19	-0.06	6.75	0.97	
18:25:01	0.21	0.11	6.59	0.98	
18:28:41	0.22	0.09	6.26	0.98	
18:32:18	0.17	0.17	6.11	0.98	
18:35:54	0.17	-0.06	6.17	0.99	
18:39:32	0.12	0.08	6.05	0.98	
18:43:09	0.14	0.12	6.13	0.99	
18:46:48	0.03	0.03	6.27	0.98	
18:50:25	-0.04	-0.13	6.46	0.99	
18:54:05	0.03	-0.04	6.52	0.98	
18:57:41	0.11	-0.07	6.64	0.99	
19:01:18	0.10	-0.14	6.61	0.97	
19:04:57	0.06	-0.19	6.59	0.98	
19:08:34	-0.02	-0.04	6.56	0.98	
19:12:11	-0.08	-0.09	6.69	0.99	
19:15:48	-0.17	0.01	6.81	0.98	
19:19:25	-0.18	-0.01	6.82	0.98	
19:23:04	-0.08	0.29	6.72	0.99	
19:25:57			6.73	0.00	CALIBRATION
19:32:07	0.06	0.15	6.53	0.99	
19:35:46	0.12	0.17	6.20	0.99	
19:39:23	0.08	0.02	6.05	0.99	
19:43:00	0.10	-0.01	ERR	0.98	
19:46:37	0.20	-0.16	ERR	0.99	
19:50:22	0.10	-0.23	7.41	0.99	
19:53:59	0.14	-0.02	7.21	0.99	
19:57:38	0.18	-0.11	7.38	0.99	
20:01:13	0.16	-0.04	7.38	0.99	
20:04:51	0.07	0.03	7.41	0.98	
20:08:28	0.16	0.22	7.45	1.00	
20:12:06	0.12	-0.07	7.45	0.98	
20:15:44	0.11	0.16	7.40	0.99	
20:19:22	0.17	-0.01	7.50	0.99	
20:22:59	0.15	-0.05	7.45	0.97	
20:26:38	0.16	-0.10	7.47	0.97	
20:30:15	0.14	-0.08	7.67	0.98	
20:33:54	0.09	-0.16	7.69	0.98	
20:37:31	0.03	-0.11	7.65	0.98	
20:41:10	-0.10	-0.14	7.77	0.99	
20:44:47	-0.26	-0.10	7.91	0.97	
20:48:26	-0.29	0.13	7.80	0.99	
20:52:03	-0.22	-0.09	7.88	0.98	
20:55:41	-0.28	0.04	8.17	0.99	
20:59:20	-0.17	0.11	8.24	0.99	
21:02:57	-0.06	0.09	8.38	0.99	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
21:06:36	-0.04	-0.02	8.60	0.97	
21:10:13	0.04	0.26	8.63	0.99	
21:13:52	0.22	0.18	8.25	0.99	
21:17:29	0.15	-0.02	8.07	0.99	
21:21:08	0.12	0.09	7.97	0.97	
21:24:45	0.10	0.03	7.98	0.98	
21:28:24	0.05	-0.08	8.24	0.98	
21:32:51	-0.05	-0.10	8.56	0.99	
21:36:28	0.03	0.09	9.13	0.99	
21:40:07	-0.05	-0.02	9.30	0.99	
21:43:44	-0.02	0.01	9.80	0.98	
21:47:23	0.01	-0.04	10.00	0.98	
21:51:06	-0.10	0.16	10.30	0.98	
21:54:45	-0.06	-0.02	10.15	0.99	
21:58:24	0.03	0.10	10.21	0.99	
22:02:02	-0.03	0.07	9.74	0.99	
22:05:39	-0.03	0.07	9.46	0.99	
22:09:18	0.29	0.07	9.24	0.99	
22:12:55	0.33	0.14	9.28	0.99	
22:16:34	0.35	-0.04	9.33	0.97	
22:20:11	0.39	0.10	10.04	0.98	
22:23:51	0.30	0.07	10.56	0.98	
22:28:39	0.08	-0.18	10.83	0.98	
22:32:18	-0.04	-0.13	10.54	0.98	
22:35:55	0.02	-0.11	10.17	0.99	
22:39:34	0.01	-0.29	9.23	0.99	
22:43:11	-0.03	-0.24	8.50	0.98	
22:46:51	-0.15	-0.10	7.96	0.99	
22:50:28	-0.13	-0.04	7.98	0.98	
22:54:07	-0.23	-0.04	8.11	0.99	
22:57:46	-0.24	0.19	8.34	0.99	
23:01:23	-0.10	0.21	8.36	0.99	
23:05:03	0.05	0.10	8.28	0.99	
23:08:45	-0.02	0.04	8.18	0.98	
23:12:24	-0.08	0.01	8.12	0.98	
23:16:01	-0.14	-0.15	7.98	0.98	
23:19:41	-0.16	-0.08	8.00	0.99	
23:23:18	-0.24	-0.01	8.06	0.99	
23:26:57	-0.08	-0.00	7.98	0.97	
23:30:40	0.05	0.05	8.04	0.99	
23:34:19	0.11	-0.01	8.12	0.99	
23:37:58	0.08	-0.09	8.07	0.98	
23:41:37	0.03	0.03	8.11	0.98	
23:45:15	-0.06	-0.05	8.15	0.99	
23:48:54	-0.22	-0.14	7.88	0.98	
23:52:31	-0.23	0.06	7.66	0.99	
23:56:10	-0.23	0.04	7.86	0.99	
23:59:48	-0.10	-0.16			

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 13, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 13, 1987
JULIAN DATE: 317

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
00:02:42	-0.09	-0.03		0.98	
00:06:20	-0.01	-0.03		0.98	
00:09:58	-0.10	-0.15		0.99	
00:13:37	-0.19	-0.07		0.98	
00:17:17	-0.25	0.03	9.03	0.99	
00:21:02	-0.24	0.00	8.97	0.98	
00:24:40	-0.20	0.15	8.85	0.98	
00:28:19	-0.10	-0.02	8.60	0.99	
00:31:58	-0.11	0.01	8.33	0.98	
00:35:35	-0.18	-0.00	8.14	0.98	
00:39:13	-0.14	0.06	7.99	0.99	
00:42:52	-0.17	-0.07	7.88	0.99	
00:46:32	-0.20	0.09	7.96	0.99	
00:50:10	-0.11	0.01	7.90	0.98	
00:53:49	0.02	0.00	7.75	0.99	
00:57:28	-0.12	-0.09	7.67	0.98	
01:01:11	-0.08	0.11	7.50	0.98	
01:04:50	-0.05	0.06	7.16	0.99	
01:08:28	-0.01	0.15	7.02	0.98	
01:12:07	-0.10	0.10	6.94	0.99	
01:15:45	-0.00	0.05	6.98	0.98	
01:19:22	-0.10	-0.10	6.95	0.99	
01:23:00	-0.09	-0.03	7.02	0.99	
01:26:38	-0.05	0.01	6.95	0.97	
01:30:17	0.00	-0.13	6.88	0.99	
01:33:55	0.07	0.02	6.68	0.98	
01:37:33	0.19	-0.01	6.75	0.98	
01:41:10	0.09	-0.07	6.72	0.98	
01:44:49	0.04	-0.12	6.81	0.99	
01:48:27	0.16	0.12	6.86	0.98	
01:52:06	0.19	-0.06	6.83	0.97	
01:55:44	0.22	0.05	6.58	0.98	
01:59:22	0.42	0.11	6.37	0.98	
02:03:01	0.47	0.14	6.14	0.98	
02:06:40	0.39	0.03	6.04	0.99	
02:10:19	0.27	-0.01	5.94	0.99	
02:13:59	0.21	-0.06	6.13	0.98	
02:17:38	0.16	-0.04	6.37	0.99	
02:21:25	0.14	-0.26	6.45	0.98	
02:25:03	0.05	-0.17	6.50	0.99	
02:28:42	0.00	-0.06	6.68	0.99	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
02:32:21	-0.01	0.13	6.57	0.98	
02:36:00	0.14	-0.03	6.30	0.99	
02:39:39	0.05	0.01	6.38	0.99	
02:43:18	-0.03	-0.05	6.49	0.99	
02:46:57	-0.03	-0.04	6.51	0.99	
02:50:36	-0.11	-0.09	6.79	0.98	
02:54:16	-0.35	0.03	6.90	0.98	
02:57:56	-0.35	0.08	6.78	0.99	
03:05:18	-0.21	-0.00	6.60	0.99	
03:08:57	-0.14	0.05	6.59	0.98	
03:12:41	-0.03	0.07	6.38	0.98	
03:16:20	0.09	-0.11	6.40	0.99	
03:20:04	0.06	-0.09	6.25	0.99	
03:23:42	-0.04	0.04	6.25	0.99	
03:27:22	-0.13	0.12	6.09	0.98	
03:31:02	-0.15	-0.18	5.95	0.99	
03:34:41	-0.26	0.16	6.05	0.98	
03:38:20	-0.23	0.13	6.09	0.98	
03:41:59	-0.18	-0.02	6.01	0.97	
03:45:38	-0.18	-0.03	5.89	0.98	
03:49:17	-0.25	0.06	5.87	0.98	
03:52:55	-0.18	0.05	5.73	0.99	
03:56:35	-0.12	0.07	5.83	0.99	
04:00:16	-0.13	0.15	5.77	0.99	
04:03:54	-0.08	-0.09	5.94	0.97	
04:07:33	-0.09	0.09	6.06	0.98	
04:11:13	-0.19	-0.04	6.09	0.98	
04:14:52	-0.25	-0.08	6.09	0.99	
04:18:30	-0.24	0.02	6.28	0.97	
04:22:09	-0.17	0.18	6.38	0.99	
04:25:47	-0.04	0.04	6.36	0.98	
04:29:26	0.12	-0.00	6.28	0.98	
04:33:06	0.14	0.05	6.22	0.97	
04:36:45	0.29	0.02	6.29	0.99	
04:40:25	0.33	-0.01	6.29	0.99	
04:44:06	0.32	-0.04	6.23	0.97	
04:47:44	0.22	-0.04	6.56	0.98	
04:51:23	0.26	0.01	6.84	0.97	
04:55:04	0.10	0.02	6.90	0.99	
04:58:44	0.04	-0.13	6.32	0.99	
05:02:38	-0.05	-0.02	6.48	0.97	
05:06:16	-0.06	0.03	6.13	0.98	
05:09:55	-0.10	-0.04	5.87	0.99	
05:13:40	0.00	-0.12	5.70	0.98	
05:17:18	-0.04	0.05	6.29	0.98	
05:20:57	-0.09	-0.09	6.21	0.98	
05:24:37	-0.20	-0.06	6.25	0.98	
05:28:16	-0.21	-0.01	6.17	0.99	
05:31:56	-0.26	0.05	6.25	0.98	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
05:35:35	-0.26	-0.05	6.10	0.98	
05:39:18	-0.29	0.03	6.00	0.97	
05:42:58	-0.29	-0.03	6.03	0.96	
05:46:37	-0.31	-0.01	6.15	0.98	
05:50:17	-0.26	-0.06	6.05	0.98	
05:53:58	-0.31	-0.06	6.02	0.99	
05:57:39	-0.28	0.09	6.08	0.99	
06:01:19	-0.09	0.12	6.15	0.99	
06:04:58	0.06	0.05	6.20	0.98	
06:08:38	-0.01	0.11	6.24	0.98	
06:12:17	0.03	0.21	6.15	0.98	
06:15:55	0.22	0.02	6.14	0.98	
06:19:36	0.13	0.05	6.17	0.99	
06:23:14	0.17	0.01	6.17	0.98	
06:26:53	0.22	-0.04	6.26	0.98	
06:30:33	0.28	0.05	6.39	0.98	
06:34:12	0.24	-0.00	6.43	0.98	
06:37:50	0.30	-0.03	6.49	0.98	
06:41:29	0.13	0.02	6.48	0.97	
06:45:09	0.14	0.06	6.39	0.98	
06:48:48	0.19	-0.07	6.45	0.98	
06:52:26	0.11	0.01	6.37	0.98	
06:56:07	0.27	0.17	6.28	0.99	
06:59:45	0.41	-0.03	6.44	0.98	
07:03:26	0.32	0.03	6.68	0.99	
07:07:04	0.21	-0.04	6.80	0.98	
07:10:43			7.09	0.98	
07:14:24			7.22	0.98	CALIBRATION
07:31:02					
07:46:43				0.99	
07:51:27				0.95	
07:55:06	0.09	-0.11		0.96	
07:58:46	0.10	-0.04		0.97	
08:02:24	0.14	0.02	8.52	0.97	
08:06:02	0.24	-0.02	8.64	0.95	
08:09:41	0.24	-0.00	8.74	0.97	
08:13:19	0.16	0.02	8.80	0.97	
08:16:57	0.07	-0.02	8.83	0.97	
08:20:35	-0.07	-0.01	8.84	0.94	
08:24:13	-0.20	0.10	8.95	0.95	
08:27:50	-0.13	0.05	8.93	0.95	
08:31:28	-0.09	-0.05	9.01	0.97	
08:35:06	-0.08	0.02	9.09	0.95	
08:38:44	0.05	-0.05	9.24	0.97	
08:42:22	0.16	-0.03	9.19	0.95	
08:46:01	0.16	0.06	9.35	0.96	
08:49:39	0.22	0.06	8.76	0.97	
08:53:24	0.32	0.13	8.77	0.98	
08:57:02	0.34	0.10	8.65	0.93	

START TIME (PST)	H_2O_2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H_2CO 15 MIN RUNNING AVERAGE	H_2CO LINEAR CORREL. COEFF.	COMMENTS
09:00:40	0.24	0.08	8.86	0.93	
09:04:18	0.16	-0.09	8.82	0.94	
09:07:55	0.25	0.02	9.53	0.96	
09:11:33	0.21	-0.07	9.40	0.96	
09:15:11	0.05	-0.03	9.45	0.97	
09:18:52	0.05	-0.03	9.52	0.96	
09:22:32	0.15	-0.04	9.40	0.94	
09:26:08	-0.08	-0.10	9.24	0.95	
09:29:46	-0.08	-0.02	8.92	0.98	
09:33:25	0.09	0.02	8.50	0.94	
09:37:03	0.22	-0.05	7.85	0.96	
09:40:41	0.17	-0.03	7.69	0.98	
09:44:19	0.19	0.00	7.26	0.97	
09:47:57	0.08	-0.02	7.22	0.98	
09:51:34	0.07	-0.02	6.97	0.95	
09:55:12	0.03	0.06	6.99	0.96	
09:58:52	0.05	0.16	6.73	0.99	
10:02:30	0.18	0.07	6.64	0.94	
10:06:08	0.34	0.02	6.50	0.90	
10:09:46	0.26	-0.02	6.45	0.97	
10:13:24	0.17	-0.14	6.31	0.96	
10:20:46	0.11	-0.10	5.97	0.95	
10:24:24	0.04	0.02	5.76	0.93	
10:28:04	0.01	-0.03	5.50	0.96	
10:31:43	0.05	-0.02	5.36	0.95	
10:35:20	0.07	0.08	5.06	0.98	
10:39:01	0.06	-0.03	5.17	0.97	
10:42:39	0.09	-0.01	5.14	0.98	
10:46:17	0.06	0.06	5.13	0.96	
10:49:55	0.16	0.10	5.19	0.96	
10:53:33	0.20	-0.00	5.24	0.99	
10:57:16	0.17	0.12	5.18	0.98	
11:00:54	0.08	0.01	5.09	0.97	
11:04:32	0.02	-0.04	5.03	0.99	
11:08:10	-0.06	-0.06	4.93	0.99	
11:11:48	-0.18	-0.04	5.07	0.97	
11:15:26	-0.15	-0.00	5.14	0.99	
11:19:06	-0.12	-0.00	5.27	0.95	
11:22:45	-0.04	-0.03	5.53	0.97	
11:26:22	-0.07	-0.09	5.69	0.94	
11:30:00	0.12	0.03	5.74	0.97	
11:33:38	0.16	-0.14	5.72	0.98	
11:37:16	0.30	-0.08	5.78	0.95	
11:40:55	0.10	-0.02	5.63	0.92	
11:44:33	0.11	0.01	5.70	0.99	
11:48:11	-0.07	-0.03	5.62	0.98	
11:51:49	-0.00	0.08	5.56	0.99	
11:55:27	-0.16	-0.13	5.63	0.97	
11:59:04	-0.13	-0.03	5.81	0.96	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
12:02:42	-0.01	0.22	5.63	0.94	
12:06:22	0.13	-0.03	5.60	0.99	
12:10:00	-0.05	0.03	5.78	0.99	
12:13:38	0.03	0.24	5.60	0.99	
12:17:16	0.17	0.04	5.38	0.92	
12:20:54	0.04	-0.10	5.32	0.95	
12:24:32	0.13	0.17	5.43	0.95	
12:28:10	0.26	-0.05	5.30	0.95	
12:31:51	0.08	-0.10	5.31	0.99	
12:35:29	0.06	0.00	5.35	0.97	
12:39:08	0.06	0.07	5.51	0.99	
12:42:46	-0.02	-0.05	5.49	0.99	CALIBRATION
12:51:50	-0.02	0.05		0.97	
12:55:29	0.19	0.05		0.98	
12:59:07	0.21	0.05		0.98	
13:02:45	0.25	-0.10		0.98	
13:06:23	0.14	0.01	5.61	0.99	
13:10:01	0.26	-0.00	5.63	0.98	
13:13:46	0.25	0.05	5.55	0.97	
13:17:23	0.25	-0.05	5.49	0.98	
13:21:01	0.13	0.03	5.43	0.97	
13:24:39	0.22	0.11	5.27	0.98	
13:28:19	0.10	-0.07	5.02	0.97	
13:31:57	0.10	-0.10	4.78	0.98	
13:35:35	0.12	-0.02	4.50	0.95	
13:39:13	0.21	-0.08	4.09	0.93	
13:42:50	0.17	-0.13	3.82	0.97	
13:46:28	0.19	0.18	3.73	0.98	
13:50:06	0.18	-0.05	3.64	0.94	
13:53:44	0.08	0.13	3.48	0.94	
13:57:22	0.31	0.22	3.47	0.95	
14:01:01	0.44	-0.08	3.58	0.97	
14:04:39	0.43	-0.15	3.57	0.97	
14:08:17	0.45	0.07	3 47	0.87	
14:11:59	0.64	-0.14	3.64	0.96	
14:15:36	0.48	-0.11	3.64	0.98	
14:19:14	0.46	0.23	3.58	0.97	
14:22:52	0.38	-0.06	3.58	0.96	
14:26:30	0.35	0.01	3.70	0.95	
14:30:08	0.30	0.03	3.58	0.98	
14:33:48	0.27	-0.03	3.70	0.94	
14:37:26	0.20	-0.17	3.70	0.91	
14:41:03	0.19	0.04	3.63	0.96	
14:44:41	0.20	-0.00	3.71	0.97	
14:48:19	0.21	0.05	3.68	0.93	
14:51:57	0.33	-0.00	3.56	0.95	
14:55:35	0.40	0.04	3.54	0.97	
14:59:15	0.47	0.12	3.60	0.97	
15:02:53	0.50	-0.02	3.42	0.93	

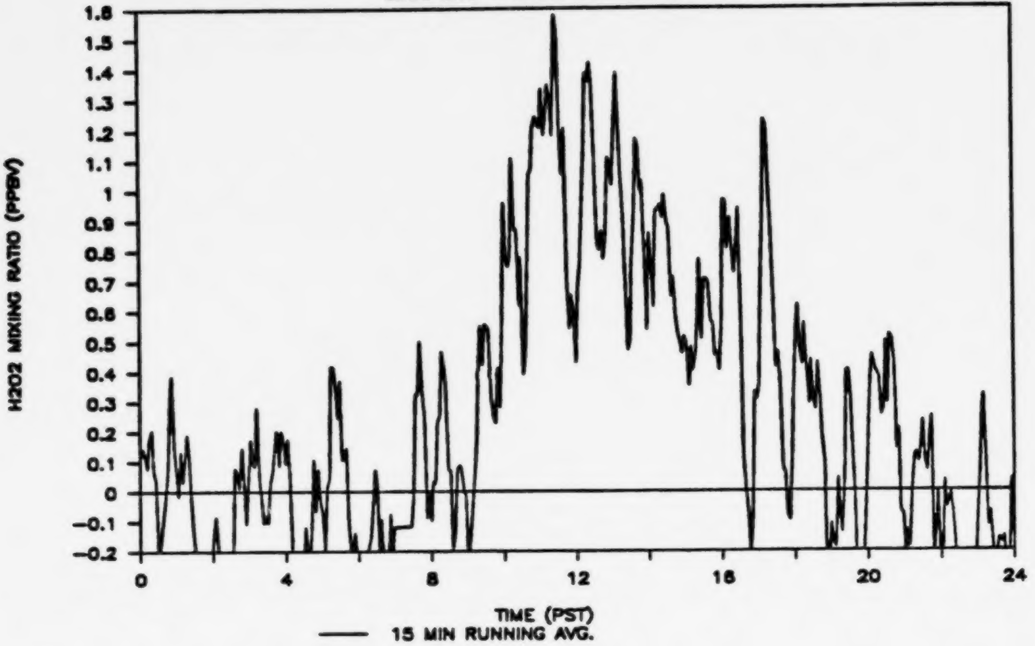
START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
15:06:30	0.46	0.04	3.32	0.93	
15:10:08	0.48	0.08	3.28	0.98	
15:13:46	0.52	-0.06	3.32	0.97	
15:21:09	0.52	-0.01	3.20	0.96	
15:24:47	0.48	0.03	2.94	0.75	
15:28:27	0.49	0.01	2.72	0.63	
15:32:05	0.33	-0.06	2.66	0.97	
15:35:45	0.20	0.03	2.41	0.87	
15:39:23	0.34	-0.03	2.17	0.73	
15:43:01	0.40	0.02	2.18	0.67	
15:46:39	0.41	0.02	2.25	0.80	
15:50:21	0.44	0.08	2.21	0.88	
15:53:59	0.46	0.03	2.17	0.89	
15:57:39	0.22	-0.02	2.37	0.95	
16:01:17	0.29	0.07	2.48	0.94	
16:04:54	0.26	-0.05	2.61	0.96	
16:08:32	0.27	-0.17	2.58	0.95	
16:12:11	0.17	-0.03	2.48	0.83	
16:15:50	0.29	0.00	2.44	0.90	
16:20:38	0.06	0.04	2.43	0.91	
16:24:16	0.19	-0.01	2.20	0.77	
16:28:01	0.23	0.10	2.11	0.86	
16:31:40	0.31	0.07	2.15	0.83	
16:35:17	0.39	-0.02	2.11	0.90	
16:39:01	0.53	-0.04	2.12	0.88	
16:42:41	0.47	-0.01	2.24	0.99	
16:46:18	0.54	-0.06	2.25	0.87	
16:49:57	0.64	-0.15	2.32	0.92	
16:53:34	0.61	0.03	2.46	0.98	
16:57:13	0.65	-0.08	2.37	0.95	
17:00:50	0.69	-0.12	2.46	0.88	
17:04:29	0.59	-0.01	2.45	0.79	
17:08:07	0.55	0.12	2.44	0.87	
17:11:46	0.51	-0.03	2.31	0.87	
17:15:23	0.43	0.04	2.66	0.97	
17:19:02	0.35	0.13	2.70	0.97	
17:22:39	0.36	-0.04	2.86	0.97	
17:26:21	0.29	0.07	3.16	0.97	
17:30:00	0.28	-0.14	3.19	0.83	
17:33:37	0.27	-0.20	3.21	0.94	
17:37:14	0.18	-0.06	3.39	0.90	
17:40:54	0.24	0.04	3.54	0.87	
17:44:37	0.25	-0.01	3.33	0.79	CALIBRATION
17:53:45	0.25	0.04		0.99	
17:57:30	0.17	0.17		0.98	
18:01:09	0.33	-0.04		0.98	
18:04:46	0.34	0.10		0.97	
18:08:25	0.34	0.09	4.65	0.96	
18:12:03	0.32	0.07	4.54	0.97	

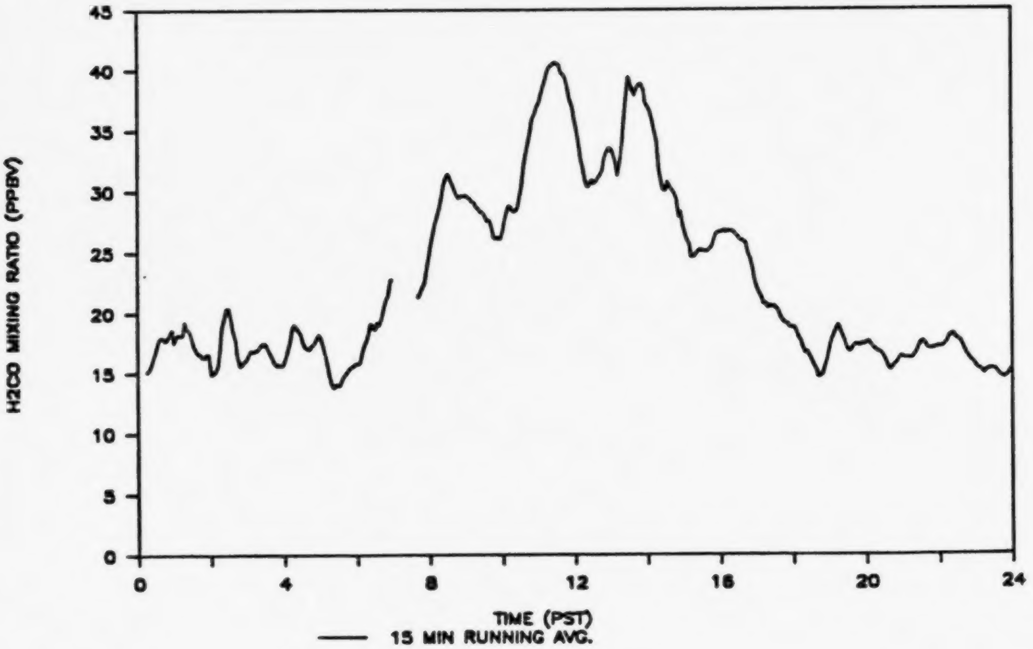
START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
18:15:40	0.51	0.04	4.59	0.95	
18:19:19	0.38	-0.01	4.69	0.97	
18:22:58	0.35	-0.04	4.70	0.99	
18:26:35	0.42	-0.11	4.64	0.99	
18:30:15	0.26	-0.04	4.62	0.98	
18:33:54	0.11	-0.13	4.77	0.98	
18:37:31	0.13	0.00	4.88	0.99	
18:41:10	0.09	0.01	4.98	0.98	
18:44:47	0.10	0.05	5.04	0.96	
18:48:26	0.22	-0.00	5.07	0.95	
18:52:04	0.30	0.03	4.86	0.97	
18:55:43	0.34	0.08	4.61	0.95	
18:59:22	0.33	-0.09	4.33	0.97	
19:03:05	0.20	0.02	4.20	0.96	
19:06:44	0.22	0.05	4.00	0.96	
19:10:23	0.27	0.01	3.88	0.96	
19:14:01	0.34	0.03	3.85	0.98	
19:17:40	0.48	0.02	3.89	0.96	
19:21:19	0.48	0.01	4.02	0.97	
19:24:57	0.52	0.01	4.30	0.98	
19:28:36	0.53	0.06	4.39	0.97	
19:32:16	0.42	-0.08	4.30	0.98	
19:35:54	0.29	0.02	4.17	0.97	
19:39:32	0.34	-0.02	3.97	0.97	
19:43:11	0.39	0.02	3.50	0.98	
19:46:48	0.33	-0.05	3.21	0.98	
19:50:27	0.37	0.01	3.21	0.98	
19:54:05	0.32	0.03	3.33	0.99	
19:57:44	0.40	0.07	3.51	0.98	
20:01:21	0.50	-0.02	3.62	0.97	
20:05:00	0.59	-0.04	3.67	0.97	
20:08:39	0.50	0.00	3.61	0.97	
20:12:16	0.58	0.01	3.38	0.93	
20:15:56	0.58	-0.12	3.22	0.96	
20:23:18	0.40	-0.06	3.20	0.98	
20:26:55	0.36	0.02	3.24	0.94	
20:30:34	0.47	0.07	3.22	0.98	
20:34:11	0.54	0.03	3.31	0.97	
20:37:50	0.54	0.09	3.26	0.98	
20:41:30	0.66	0.14	3.25	0.99	
20:45:09	0.68	0.03	3.25	0.98	
20:48:46	0.67	-0.05	3.31	0.99	
20:52:25	0.73	-0.07	3.39	0.98	
20:56:02	0.56	0.02	3.37	0.97	
20:59:41	0.50	-0.16	3.43	0.97	
21:03:18	0.45	0.03	3.32	0.96	
21:06:56	0.36	0.12	3.17	0.97	
21:10:35	0.26	0.02	3.12	0.98	
21:14:12	0.43	-0.04	3.38	0.98	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
21:17:51	0.34	0.09	3.36	0.90	
21:21:30	0.16	-0.03	3.39	0.94	
21:25:07	0.20	-0.15	3.42	0.93	
21:28:47	0.14	0.07	3.35	0.96	
21:32:24	0.08	0.03	3.10	0.97	
21:36:03	0.15	-0.04	2.85	0.86	
21:39:42	0.31	0.03	2.79	0.96	
21:43:19	0.25	0.02	2.68	0.88	
21:46:58	0.21	-0.10	2.61	0.92	
21:50:36	0.19	-0.06	2.59	0.96	
21:54:13	0.10	0.03	2.71	0.98	
21:57:52	0.05	-0.06	2.84	0.98	
22:01:31	0.15	0.02	2.98	0.94	
22:05:09	0.09	-0.04	2.92	0.91	
22:08:48	0.06	0.07	2.81	0.97	
22:12:25	0.12	0.03	2.69	0.93	
22:16:04	0.17	0.01	2.54	0.96	
22:19:46	0.01	-0.02	2.53	0.97	
22:23:23	0.05	-0.00	2.67	0.95	
22:27:03	0.08	-0.06	2.79	0.98	
22:30:42	0.02	-0.12	2.91	0.91	
22:34:21	-0.07	0.01	3.31	0.98	
22:37:59	0.04	0.08	3.45	0.95	
22:41:38	0.10	0.01	3.53	1.00	
22:45:15	0.05	0.05	3.50	0.97	CALIBRATION
22:54:31	-0.03	0.06		0.78	
22:58:09	0.04	0.07		0.90	
23:01:48	0.09	-0.10		0.99	
23:05:27	0.07	0.02		0.93	
23:09:04	0.13	-0.07	3.17	0.91	
23:12:44	0.25	0.00	3.05	0.70	
23:16:21	0.28	-0.11	2.93	0.83	
23:20:00	0.33	0.01	2.69	0.82	
23:23:39	0.29	-0.13	2.79	0.98	
23:27:17	0.28	0.03	2.92	0.95	
23:30:56	0.33	-0.05	2.98	0.87	
23:34:35	0.37	0.04	2.95	0.78	
23:38:15	0.18	-0.07	2.80	0.77	
23:41:52	0.17	0.03	2.79	0.95	
23:45:31	0.05	-0.01	2.81	0.95	
23:49:10	-0.06	-0.01	2.86	1.00	
23:52:47	-0.11	0.04	2.84	0.60	
23:56:29	-0.10	-0.01	3.02	0.94	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 3, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 3, 1987
JULIAN DATE: 337

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
00:00:49	0.12	-0.03		0.99	
00:04:23	0.14	0.03		0.99	
00:07:58	0.12	-0.18		0.99	
00:11:32	0.08	-0.03		0.99	
00:15:07	0.17	-0.26	15.13	0.99	
00:18:46	0.21	-0.07	15.36	0.99	
00:22:21	0.07	-0.13	15.70	1.00	
00:25:55	0.04	0.09	16.32	0.99	
00:29:30	-0.22	-0.17	16.82	0.98	
00:33:03	-0.18	0.32	17.60	0.99	
00:36:39	-0.11	0.14	18.00	0.99	
00:41:24	-0.03	-0.13	17.93	0.99	
00:44:59	0.06	-0.04	17.72	0.99	
00:48:32	0.30	0.28	17.89	0.99	
00:52:06	0.38	-0.05	18.21	0.99	
00:55:39	0.13	-0.19	18.66	0.99	
00:59:13	0.07	0.39	17.53	0.99	
01:02:55	-0.02	0.04	18.06	1.00	
01:06:29	0.13	0.11	18.23	0.99	
01:10:04	0.03	-0.19	18.10	0.98	
01:13:38	0.12	-0.03	18.15	0.99	
01:17:12	0.19	-0.27	19.25	0.99	
01:20:47	0.11	-0.04	18.65	1.00	
01:24:21	-0.04	-0.36	18.55	0.99	
01:27:55	-0.15	0.08	18.02	0.99	
01:31:28	-0.23	0.06	17.27	1.00	
01:35:08	-0.27	0.06	16.91	0.99	
01:38:42	-0.24	-0.12	16.70	0.99	
01:42:25	-0.50	0.02	16.57	0.99	
01:46:00	-0.38	0.12	16.32	0.99	
01:49:34	-0.27	0.08	16.34	0.99	
01:53:12	-0.32	-0.14	16.58	0.99	
01:56:46	-0.30	0.13	16.59	0.99	
02:00:21	-0.15	0.04	14.87	0.99	
02:04:03	-0.09	-0.15	15.04	0.99	
02:07:38	-0.17	-0.25	15.17	0.99	
02:11:13	-0.25	-0.06	15.65	1.00	
02:14:48	-0.40	-0.13	16.63	1.00	
02:18:24	-0.53	-0.08	18.78	0.99	
02:22:01	-0.60	-0.04	19.48	0.99	
02:25:36	-0.53	0.19	20.38	0.99	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
02:29:11	-0.44	0.06	20.44	0.98	
02:32:46	-0.20	0.11	19.61	0.99	
02:36:22	0.08	0.17	18.64	0.99	
02:39:59	0.06	0.11	17.83	0.99	
02:43:34	0.01	0.09	16.50	0.98	
02:47:09	0.14	0.07	15.57	0.99	
02:50:44	0.04	0.03	15.69	0.99	
02:54:27	-0.11	-0.09	15.95	0.99	
02:58:01	0.03	0.04	16.08	0.98	
03:01:38	0.17	-0.03	16.48	0.99	
03:05:14	0.09	0.09	16.87	1.00	
03:08:49	0.09	-0.15	16.79	0.99	
03:12:24	0.28	0.03	16.80	0.99	
03:15:59	0.03	-0.21	16.90	0.98	
03:19:35	-0.02	-0.03	17.09	1.00	
03:23:10	-0.10	-0.26	17.39	0.99	
03:26:53	-0.08	0.15	17.50	0.99	
03:30:32	-0.10	0.12	17.42	1.00	
03:34:07	0.03	0.17	16.94	0.99	
03:37:41	0.07	-0.10	16.58	0.99	
03:41:18	0.15	0.04	16.15	0.98	
03:44:53	0.20	-0.06	15.88	0.99	
03:48:30	0.09	-0.08	15.62	0.99	
03:52:04	0.20	-0.01	15.69	0.99	
03:55:39	0.16	-0.06	15.61	0.99	
03:59:14	0.10	0.14	15.78	0.98	
04:02:49	0.18	-0.10	16.29	0.99	
04:06:25	0.04	-0.10	16.98	0.99	
04:10:01	-0.23	-0.04	17.63	0.98	
04:13:37	-0.35	0.06	18.75	0.99	
04:17:12	-0.37	-0.09	19.03	0.99	
04:20:48	-0.42	0.05	18.80	1.00	
04:24:24	-0.37	-0.01	18.52	0.99	
04:27:58	-0.31	0.18	18.28	0.99	
04:31:32	-0.12	0.01	17.49	0.99	
04:35:09	-0.18	0.04	17.16	0.98	
04:38:45	-0.25	0.09	17.04	0.99	
04:42:21	-0.14	0.14	16.96	0.99	
04:45:55	0.11	-0.09	17.26	0.99	
04:49:29	-0.07	0.08	17.38	0.98	
04:53:03	0.07	-0.02	17.80	0.99	
04:56:37	-0.03	-0.01	18.20	0.99	
05:00:12	-0.08	-0.09	18.03	0.99	
05:03:52	-0.21	0.19	17.28	0.99	
05:07:26	0.02	-0.08	16.49	0.99	
05:11:00	0.04	0.18	15.69	1.00	
05:14:37	0.42	0.02	14.89	0.98	
05:18:13	0.42	0.14	14.18	0.98	
05:21:49	0.36	-0.33	13.78	0.99	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
05:25:23	0.25	0.15	14.01	0.98	
05:28:57	0.37	-0.14	13.96	1.00	
05:32:31	0.11	-0.07	13.98	0.99	
05:36:05	0.11	-0.04	14.46	0.98	
05:39:39	0.15	0.16	14.78	0.99	
05:43:14	-0.11	-0.19	15.01	0.99	
05:46:50	-0.21	-0.03	15.32	0.99	
05:50:26	-0.30	0.13	15.49	0.99	
05:54:02	-0.14	-0.02	15.53	0.99	
05:57:37	-0.33	-0.18	15.74	0.98	
06:01:13	-0.22	0.23	15.78	1.00	
06:04:49	-0.30	-0.02	15.89	0.98	
06:08:25	-0.22	-0.08	16.54	0.99	
06:11:59	-0.36	-0.04	17.20	0.99	
06:15:33	-0.19	0.06	17.65	1.00	
06:19:08	-0.16	-0.10	18.25	0.99	
06:22:44	-0.05	0.22	19.12	0.99	
06:26:20	0.07	0.07	18.84	0.99	
06:29:54	0.02	-0.03	18.62	0.99	
06:33:30	-0.24	0.02	19.19	0.99	
06:37:04	-0.09	-0.12	19.00	0.99	
06:40:43	-0.29	-0.01	19.53	1.00	
06:44:19	-0.30	-0.10	20.42	0.99	
06:47:55	-0.26	-0.09	21.13	1.00	
06:51:30	-0.08	0.12	21.45	0.99	
06:55:06	-0.20	0.33	22.75	0.99	
06:58:48	-0.12	0.12	22.77	1.00	
07:19:32					CALIBRATION
07:26:37	-0.12	0.26		0.99	
07:30:12	-0.02	0.40		0.99	
07:33:48	0.33	0.20		1.00	
07:37:24	0.32	-0.11		1.00	
07:40:58	0.50	-0.03	21.29	1.00	
07:44:34	0.34	-0.28	21.65	1.00	
07:48:09	0.26	-0.14	22.11	1.00	
07:51:45	-0.09	-0.29	22.46	0.99	
07:55:21	-0.01	0.04	23.44	0.99	
07:58:57	-0.10	-0.17	24.74	1.00	
08:02:32	0.03	0.19	2[illegible].68	1.00	
08:06:08	0.03	0.01	26.60	1.00	
08:09:42	0.23	0.12	27.47	0.99	
08:13:16	0.25	-0.02	28.03	1.00	
08:16:58	0.47	0.02	28.75	0.99	
08:20:32	0.42	0.06	29.69	1.00	
08:24:08	0.36	-0.13	30.54	1.00	
08:27:43	0.07	-0.06	31.13	1.00	
08:31:17	0.07	-0.07	31.45	1.00	
08:34:52	-0.19	0.09	31.01	1.00	
08:38:29	-0.13	0.02	30.57	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
08:42:02	0.08	0.20	30.03	0.99	
08:45:36	0.09	0.11	29.65	1.00	
08:49:10	0.08	-0.05	29.47	1.00	
08:52:45	0.00	-0.01	29.66	1.00	
08:56:23	-0.01	-0.07	29.67	0.99	
08:59:57	-0.28	-0.15	29.69	0.99	
09:03:33	-0.15	-0.04	29.57	1.00	
09:07:07	-0.05	0.17	29.37	1.00	
09:10:41	0.06	0.17	29.22	1.00	
09:14:15	0.18	0.11	29.06	1.00	
09:17:49	0.38	0.13	28.73	0.99	
09:21:26	0.55	0.02	28.62	1.00	
09:24:58	0.42	-0.06	28.38	1.00	
09:28:35	0.56	-0.18	28.29	1.00	
09:32:09	0.55	-0.16	27.93	1.00	
09:35:43	0.54	-0.00	27.59	1.00	
09:39:16	0.31	-0.06	27.68	1.00	
09:42:50	0.25	-0.05	27.22	1.00	
09:46:25	0.23	-0.09	26.24	0.99	
09:49:59	0.41	0.36	26.17	1.00	
09:53:33	0.28	-0.32	26.22	0.99	
09:57:07	0.54	0.27	26.11	1.00	
10:00:43	0.96	-0.07	26.77	1.00	
10:04:17	0.78	0.06	27.83	0.99	
10:07:51	0.75	-0.27	28.44	0.99	
10:11:26	0.79	0.43	28.82	1.00	
10:15:00	1.11	-0.19	28.69	1.00	
10:18:34	0.87	0.27	28.38	1.00	
10:22:08	0.87	0.15	28.42	1.00	
10:25:44	0.62	-0.01	28.70	0.99	
10:29:22	0.78	-0.26	29.50	1.00	
10:32:57	0.39	-0.25	30.40	1.00	
10:36:31	0.46	-0.10	31.99	0.99	
10:40:07	0.75	0.12	33.16	1.00	
10:43:42	1.06	0.14	34.06	1.00	
10:47:16	1.07	0.18	34.94	1.00	
10:50:51	1.20	0.37	35.92	0.99	
10:54:25	1.24	-0.12	36.39	1.00	
10:58:01	1.22	-0.15	36.85	1.00	
11:01:35	1.21	0.02	37.36	1.00	
11:05:09	1.34	0.18	37.93	1.00	
11:08:44	1.19	-0.04	38.62	1.00	
11:12:20	1.25	0.28	39.25	1.00	
11:15:54	1.35	0.27	39.82	1.00	
11:19:29	1.30	-0.05	40.32	1.00	
11:23:03	1.18	-0.09	40.37	1.00	
11:27:50	1.58	0.27	40.59	1.00	
11:31:24	1.52	-0.27	40.58	1.00	
11:34:58	1.20	-0.26	40.46	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
11:38:33	1.06	0.20	39.75	1.00	
11:42:07	1.21	-0.17	39.68	1.00	
11:45:43	0.70	-0.31	39.24	1.00	
11:49:17	0.54	0.01	38.46	1.00	
11:52:52	0.65	0.11	37.60	1.00	
11:56:26	0.59	-0.26	37.01	0.99	
12:00:02	0.43	0.09	36.05	1.00	
12:03:40	0.68	0.17	35.14	1.00	
12:07:15	0.76	0.00	34.00	1.00	
12:10:49	0.95	-0.29	32.66	1.00	
12:14:23	1.14	0.06	31.89	1.00	
12:17:57	1.39	0.26	31.08	1.00	
12:21:33	1.36	-0.03	30.41	1.00	
12:25:08	1.42	0.13	30.50	1.00	
12:28:42	1.33	0.24	30.94	1.00	
12:32:17	1.11	-0.20	30.66	1.00	
12:35:51	0.83	-0.08	30.88	0.99	
12:39:25	0.80	0.06	31.10	1.00	
12:42:59	0.86	0.14	31.42	1.00	
12:46:35	0.78	-0.13	31.68	1.00	
12:50:09	0.84	0.18	32.78	1.00	
12:53:43	1.11	-0.33	33.27	1.00	
12:57:20	1.09	-0.05	33.57	1.00	
13:00:54	1.02	-0.35	33.49	1.00	
13:04:29	1.17	-0.01	33.12	1.00	
13:08:03	1.39	-0.04	32.30	1.00	
13:11:39	1.25	0.05	31.33	1.00	
13:15:14	1.07	-0.11	32.21	1.00	
13:18:48	0.94	0.38	33.76	1.00	
13:22:22	0.71	-0.13	35.83	1.00	
13:25:56	0.47	0.12	37.81	1.00	
13:29:31	0.50	-0.05	39.39	1.00	
13:33:05	0.75	0.03	38.91	1.00	
13:36:39	0.92	-0.41	38.20	1.00	
13:40:18	1.17	0.09	37.89	1.00	
13:43:53	1.15	-0.22	38.52	1.00	
13:47:27	1.00	0.19	38.81	0.99	
13:51:01	1.03	0.04	38.87	0.99	
13:54:36	0.72	-0.12	38.43	0.99	
13:58:12	0.54	-0.06	37.28	1.00	
14:01:46	0.86	0.09	36.95	1.00	
14:05:21	0.77	0.00	36.63	1.00	
14:08:57	0.62	-0.25	35.96	1.00	
14:12:31	0.93	0.48	35.03	1.00	
14:16:12	0.93	0.13	34.20	1.00	
14:19:47	0.95	-0.12	31.92	1.00	
14:23:21	0.91	0.01	30.84	1.00	
14:26:55	0.99	0.24	30.19	1.00	
14:30:30	0.89	-0.29	30.09	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
14:34:06	0.88	0.07	30.81	1.00	
14:37:41	0.65	0.08	30.39	1.00	
14:41:15	0.71	-0.15	30.17	1.00	
14:44:49	0.58	-0.24	29.88	0.99	
14:48:25	0.53	-0.03	29.37	0.99	
14:52:00	0.49	-0.08	27.97	1.00	
14:55:34	0.46	0.01	28.38	1.00	
14:59:08	0.52	-0.06	27.26	1.00	
15:02:42	0.49	-0.02	26.52	1.00	
15:06:17	0.36	0.11	26.00	1.00	
15:09:51	0.48	-0.07	25.68	1.00	
15:13:31	0.41	0.05	24.57	1.00	
15:17:05	0.46	-0.10	24.61	1.00	
15:20:40	0.57	0.31	24.81	0.99	
15:24:16	0.77	-0.00	25.04	1.00	
15:27:57	0.51	-0.11	25.22	1.00	
15:31:32	0.70	0.02	25.12	1.00	
15:35:06	0.71	0.20	25.06	1.00	
15:38:42	0.70	-0.11	25.06	1.00	
15:42:17	0.57	0.04	25.21	1.00	
15:45:51	0.56	-0.24	25.40	1.00	
15:49:26	0.45	-0.12	25.84	0.99	
15:53:02	0.46	0.06	26.41	1.00	
15:56:37	0.41	-0.07	26.63	1.00	
16:00:12	0.54	0.16	26.65	1.00	
16:03:46	0.97	0.48	26.73	1.00	
16:07:22	0.96	0.00	26.84	1.00	
16:10:57	0.81	-0.18	26.67	1.00	
16:14:31	0.91	0.05	26.84	0.99	
16:18:05	0.82	-0.01	26.77	1.00	
16:21:41	0.73	-0.27	26.75	1.00	
16:25:16	0.82	0.06	26.48	1.00	
16:28:50	0.94	0.11	26.37	1.00	
16:32:24	0.54	0.08	26.06	1.00	
16:36:00	0.12	-0.25	26.02	1.00	
16:39:34	-0.01	0.06	25.88	1.00	
16:43:08	-0.07	0.06	25.80	0.99	
16:46:42	-0.21	0.07	24.87	1.00	
16:50:20	-0.07	-0.10	24.51	1.00	
16:53:54	0.33	0.15	23.73	1.00	
16:57:28	0.31	0.16	22.60	0.99	
17:01:02	0.35	-0.03	22.03	1.00	
17:04:38	0.63	0.04	21.74	1.00	
17:08:15	0.94	0.11	21.23	1.00	
17:11:49	1.23	0.38	20.72	1.00	
17:15:23	1.21	-0.02	20.77	1.00	
17:18:59	1.01	0.09	20.40	1.00	
17:22:34	0.89	0.02	20.64	0.99	
17:26:08	0.61	-0.07	20.49	1.00	

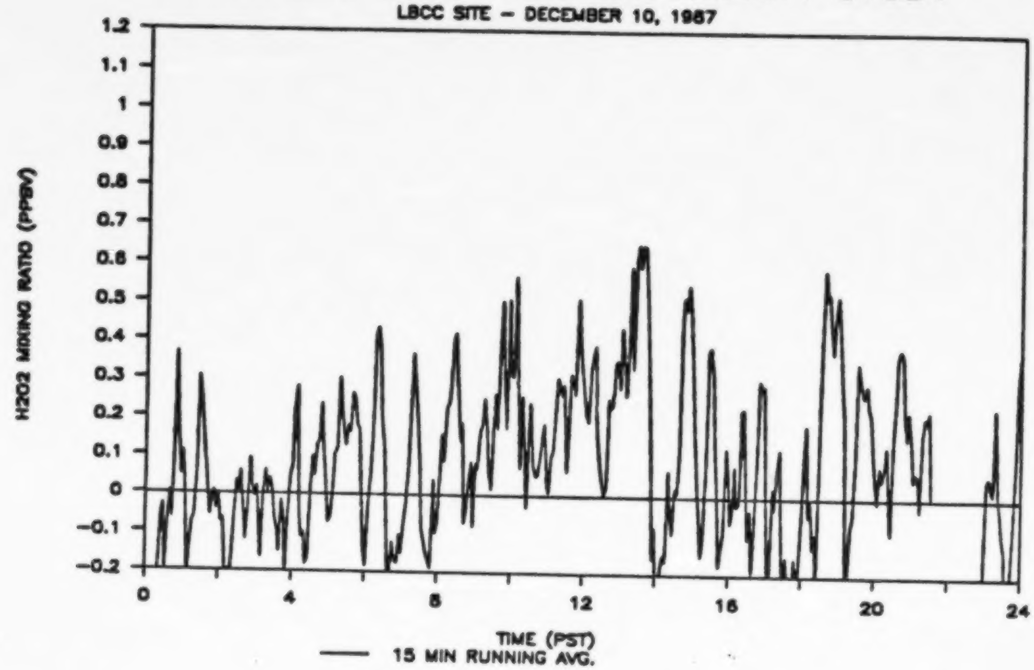
START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
17:29:44	0.41	-0.33	20.56	1.00	
17:33:19	0.46	0.03	20.32	0.99	
17:36:55	0.35	-0.04	20.11	1.00	
17:40:30	0.08	-0.24	19.57	1.00	
17:44:06	0.06	0.05	19.26	1.00	
17:47:40	-0.08	0.21	19.10	1.00	
17:51:14	-0.10	-0.04	19.06	1.00	
17:54:50	0.11	0.10	18.78	0.99	
17:58:25	0.32	0.29	18.77	0.99	
18:01:59	0.55	-0.03	18.77	1.00	
18:05:33	0.62	-0.22	18.48	1.00	
18:09:09	0.47	0.03	17.95	0.99	
18:12:44	0.42	-0.03	17.67	1.00	
18:16:18	0.56	-0.28	17.13	1.00	
18:19:54	0.39	-0.01	16.59	1.00	
18:23:32	0.29	-0.05	16.71	1.00	
18:27:08	0.44	-0.08	16.36	1.00	
18:30:42	0.30	-0.16	16.05	1.00	
18:34:18	0.27	0.24	15.60	1.00	
18:37:53	0.43	0.05	15.30	1.00	
18:41:27	0.33	-0.08	14.62	1.00	
18:45:03	0.19	0.12	14.72	1.00	
18:48:37	0.09	-0.05	14.88	1.00	
18:52:12	-0.27	-0.22	15.44	1.00	
18:55:46	-0.24	-0.22	16.03	1.00	
18:59:20	-0.11	-0.14	16.90	1.00	
19:02:54	-0.17	-0.32	17.65	1.00	
19:06:30	-0.19	-0.16	18.08	1.00	
19:10:05	0.04	0.15	18.62	1.00	
19:13:39	-0.08	0.12	18.93	1.00	
19:17:15	-0.14	0.26	18.63	1.00	
19:20:49	0.00	0.40	18.11	1.00	
19:24:24	0.40	0.25	17.64	0.99	
19:28:00	0.40	-0.04	17.03	0.99	
19:31:34	0.31	-0.33	16.76	1.00	
19:35:09	0.10	-0.24	16.78	1.00	
19:38:45	-0.01	-0.47	17.12	1.00	
19:42:19	-0.52	-0.24	17.27	1.00	
19:45:53	-0.55	0.06	17.35	1.00	
19:49:29	-0.43	0.33	17.23	1.00	
19:53:04	-0.23	0.28	17.37	1.00	
19:56:40	-0.01	0.42	17.28	1.00	
20:00:17	0.21	0.19	17.50	1.00	
20:03:51	0.39	-0.05	17.54	1.00	
20:07:26	0.45	-0.12	17.33	0.99	
20:11:00	0.41	-0.16	17.07	1.00	
20:14:36	0.40	-0.36	16.95	1.00	
20:18:11	0.38	-0.07	16.77	0.99	
20:21:47	0.25	-0.10	16.69	0.99	

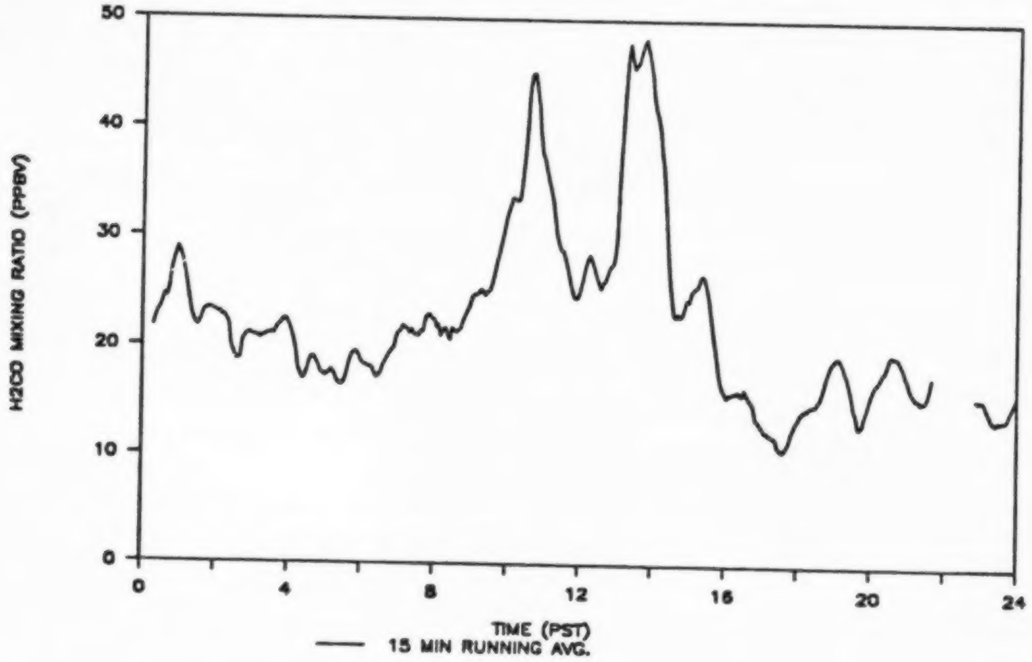
START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
20:25:21	0.28	0.04	16.55	1.00	
20:28:57	0.50	0.18	16.25	1.00	
20:32:31	0.29	0.32	15.96	0.99	
20:36:06	0.52	0.08	15.49	0.99	
20:39:42	0.50	0.19	15.19	0.99	
20:43:17	0.43	0.11	15.46	1.00	
20:46:51	0.14	-0.23	15.67	0.99	
20:50:25	0.21	0.07	15.83	1.00	
20:54:01	-0.07	0.03	16.12	1.00	
20:57:35	-0.08	0.02	16.35	1.00	
21:01:12	-0.24	-0.16	16.23	1.00	
21:04:46	-0.13	0.09	16.24	0.99	
21:08:20	-0.19	-0.30	16.22	1.00	
21:11:54	0.00	-0.01	16.20	1.00	
21:15:28	0.12	-0.32	16.19	1.00	
21:19:03	0.13	-0.10	16.41	1.00	
21:22:39	0.10	-0.13	16.70	1.00	
21:26:13	0.15	0.05	17.09	1.00	
21:29:48	0.24	-0.05	17.42	1.00	
21:33:27	0.10	0.17	17.56	1.00	
21:37:01	0.07	0.05	17.37	0.99	
21:40:35	0.19	0.21	17.02	1.00	
21:44:11	0.25	0.05	16.94	1.00	
21:47:46	-0.22	-0.11	16.93	1.00	
21:51:22	-0.12	0.07	17.02	1.00	
21:54:56	-0.00	0.05	17.07	1.00	
21:58:30	-0.22	-0.09	17.14	1.00	
22:02:04	-0.37	0.09	17.07	1.00	
22:05:39	0.03	-0.01	17.16	0.99	
22:09:15	-0.06	-0.05	17.31	1.00	
22:12:49	-0.03	0.09	17.52	1.00	
22:16:26	-0.01	-0.22	17.99	1.00	
22:20:00	-0.08	-0.20	18.13	1.00	
22:23:36	-0.19	0.12	18.21	0.99	
22:27:11	-0.27	0.16	17.87	1.00	
22:34:24	-0.31	-0.01	17.62	1.00	
22:37:58	-0.52	0.18	17.28	1.00	
22:41:33	-0.55	0.30	16.85	1.00	
22:45:07	-0.67	0.17	16.47	1.00	
22:48:43	-0.70	-0.20	16.27	1.00	
22:52:17	-0.68	0.14	16.00	1.00	
22:55:52	-0.29	0.02	15.88	0.99	
22:59:28	-0.10	0.03	15.58	1.00	
23:03:02	0.05	-0.19	15.38	1.00	
23:06:38	0.26	-0.05	15.25	0.99	
23:10:12	0.32	-0.11	15.16	0.99	
23:13:47	0.12	-0.25	14.90	1.00	
23:17:21	-0.12	-0.32	15.09	1.00	
23:20:57	-0.07	-0.11	15.28	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
23:24:32	-0.17	0.01	15.30	1.00	
23:28:06	-0.29	-0.04	15.28	1.00	
23:31:42	-0.22	0.08	15.26	0.99	
23:35:16	-0.16	0.14	15.04	1.00	
23:40:02	-0.17	0.07	14.68	1.00	
23:43:38	-0.15	0.05	14.61	0.99	
23:47:13	-0.28	-0.01	14.52	1.00	
23:51:58	-0.21	0.16	14.77	1.00	
23:55:34	0.04	0.04	15.10	1.00	
23:59:09	0.04	-0.01	15.28	1.00	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 10, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 10, 1987
JULIAN DATE: 344

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
23:40:19					CALIBRATION
00:02:43				1.00	
00:06:23				0.99	
00:10:03	-0.28	0.04		1.00	
00:13:42	-0.22	0.09		1.00	
00:17:20	-0.28	0.06	21.71	1.00	
00:21:01	-0.19	-0.01	22.41	0.99	
00:24:40	-0.05	-0.05	23.03	1.00	
00:28:22	-0.03	-0.23	23.30	1.00	
00:32:01	-0.22	0.09	23.98	0.99	
00:35:40	-0.07	0.35	24.58	1.00	
00:39:19	0.01	0.19	24.35	0.99	
00:42:56	-0.06	0.27	25.15	0.99	
00:46:34	0.12	0.18	26.49	1.00	
00:50:13	0.37	-0.06	27.50	0.99	
00:53:52	0.17	-0.32	28.21	1.00	
00:57:29	0.05	-0.08	28.89	1.00	
01:01:07	0.11	-0.22	28.52	1.00	
01:04:46	-0.00	-0.19	27.79	0.99	
01:08:24	-0.22	-0.06	26.83	1.00	
01:12:03	-0.1[illegible]	0.05	25.64	0.99	
01:15:41	-0.07	0.02	24.31	1.00	
01:19:28	-0.06	0.15	23.13	0.99	
01:23:06	0.05	0.27	22.32	1.00	
01:26:44	0.31	0.21	21.93	1.00	
01:30:23	0.26	0.15	21.80	0.99	
01:34:08	0.17	0.11	22.20	1.00	
01:37:46	0.10	-0.07	22.78	1.00	
01:41:24	0.03	0.06	23.18	1.00	
01:45:03	-0.06	-0.13	23.32	0.99	
01:48:40	-0.02	0.09	23.39	0.99	
01:52:19	0.01	0.05	23.38	1.00	
01:55:57	-0.04	0.05	23.26	0.99	
01:59:36	0.00	-0.03	23.13	1.00	
02:03:16	-0.07	-0.03	22.98	0.99	
02:06:55	-0.06	-0.07	23.07	0.99	
02:10:35	-0.22	-0.04	22.72	0.99	
02:14:14	-0.20	-0.06	22.77	1.00	
02:17:54	-0.28	-0.09	22.34	1.00	
02:21:35	-0.16	-0.04	21.96	0.99	
02:25:16	-0.06	-0.10	19.94	0.99	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
02:29:02	0.03	-0.17	19.37	0.99	
02:32:47	0.01	-0.02	18.79	1.00	
02:36:27	0.06	-0.08	18.77	0.99	
02:40:07	-0.04	-0.12	18.88	1.00	
02:43:47	-0.12	0.02	20.52	0.99	
02:47:27	-0.04	0.07	20.78	1.00	
02:51:06	0.09	-0.08	21.08	0.99	
02:54:51	0.02	-0.14	21.19	1.00	
02:58:32	-0.01	0.07	21.09	0.99	
03:02:11	0.02	-0.18	20.96	1.00	
03:05:52	-0.09	-0.12	20.95	0.99	
03:09:32	-0.16	0.02	20.84	1.00	
03:13:11	0.00	0.21	20.71	0.99	
03:16:51	0.06	-0.03	20.89	1.00	
03:20:31	0.00	0.04	20.93	1.00	
03:24:12	0.04	0.13	21.08	1.00	
03:27:50	0.01	-0.08	21.12	1.00	
03:31:31	-0.06	-0.08	21.20	1.00	
03:35:11	-0.10	-0.08	21.11	1.00	
03:38:51	-0.15	0.10	21.52	1.00	
03:42:30	-0.02	-0.04	21.86	1.00	
03:46:09	-0.05	-0.01	22.00	1.00	
03:49:49	-0.20	0.10	22.35	1.00	
03:53:28	-0.06	0.14	22.48	1.00	
03:57:07	0.05	-0.05	22.28	0.99	
04:00:46	0.07	0.12	21.81	1.00	
04:04:25	0.21	0.01	21.42	0.99	
04:08:06	0.28	-0.10	20.49	0.99	
04:11:46	-0.04	-0.09	19.36	1.00	
04:15:25	-0.11	0.06	18.04	0.99	
04:19:05	-0.10	-0.04	17.33	0.99	
04:22:44	-0.18	0.05	17.00	1.00	
04:26:26	-0.17	0.00	17.16	0.99	
04:30:05	0.03	0.12	17.86	0.99	
04:33:48	0.10	0.12	18.64	0.99	
04:37:26	0.05	0.08	19.00	0.99	
04:41:05	0.13	0.13	19.08	0.99	
04:44:45	0.14	0.08	18.69	0.99	
04:48:26	0.24	0.03	18.18	0.98	
04:52:04	0.10	-0.06	17.63	0.98	
04:55:43	0.02	-0.10	17.50	0.99	
04:59:21	-0.07	-0.10	17.31	0.99	
05:03:02	-0.06	-0.05	17.47	0.99	
05:06:40	0.01	0.01	17.61	0.98	
05:10:19	0.10	-0.07	17.88	0.99	
05:13:57	0.12	0.03	17.52	0.99	
05:17:38	0.30	-0.01	16.91	0.99	
05:21:16	0.22	0.06	16.67	0.99	
05:24:55	0.16	-0.05	16.48	0.99	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
05:28:35	0.13	-0.06	16.54	0.99	
05:32:14	0.18	0.07	16.88	0.99	
05:35:52	0.16	0.02	17.70	0.99	
05:39:31	0.26	0.03	18.61	1.00	
05:43:11	0.25	-0.01	19.20	0.99	
05:46:50	0.18	-0.05	19.48	0.99	
05:50:30	0.17	-0.22	19.57	1.00	
05:54:11	0.02	-0.01	19.35	0.99	
05:57:52	-0.14	-0.17	18.67	0.99	
06:01:32	-0.18	0.05	18.43	0.99	
06:05:13	-0.03	0.20	18.33	0.99	
06:08:54	0.05	0.18	18.19	0.99	
06:12:34	0.17	0.19	18.17	0.99	
06:16:13	0.41	0.09	18.06	0.98	
06:19:53	0.43	-0.10	17.55	0.98	
06:23:34	0.38	-0.17	17.16	0.98	
06:27:12	0.21	-0.11	17.27	0.99	
06:30:53	0.13	-0.22	17.62	0.99	
06:34:34	-0.00	-0.03	18.24	0.99	
06:38:14	-0.21	0.02	18.55	0.99	
06:41:55	-0.21	0.04	19.01	0.99	
06:45:36	-0.12	0.09	19.34	0.99	
06:49:16	-0.17	0.03	19.67	0.98	
06:52:59	-0.18	0.19	19.92	0.99	
06:56:37	-0.10	0.03	20.79	0.99	
07:00:18	-0.15	0.05	21.31	0.99	
07:03:59	-0.08	-0.09	21.39	0.99	
07:07:39	-0.03	0.10	21.94	1.00	
07:11:20	0.06	-0.1[illegible]	21.78	0.99	
07:15:01	0.22	0.02	21.60	0.99	
07:18:41	0.37	-0.03	21.22	1.00	
07:22:22	0.28	-0.01	21.63	1.00	
07:26:02	0.20	-0.07	21.15	1.00	
07:29:43	0.09	-0.16	21.01	1.00	
07:33:24	-0.09	-0.09	21.02	1.00	
07:37:06	-0.12	-0.02	21.50	1.00	
07:40:45	-0.15	0.01	21.37	1.00	
07:44:26	-0.17	-0.12	22.50	1.00	
07:48:08	-0.19	0.24	22.88	1.00	
07:51:49	0.04	0.13	22.97	0.99	
07:55:30	-0.10	0.30	22.53	0.99	
07:59:10	-0.07	0.23	22.54	0.99	
08:02:49	0.06	0.24	21.79	1.00	
08:06:27	0.16	0.11	22.11	1.00	
08:10:07	0.09	-0.05	20.99	1.00	
08:14:00	0.23	-0.31	21.57	1.00	
08:17:41	0.24	-0.32	21.75	1.00	
08:21:19	0.29	-0.18	21.21	1.00	
08:25:01	0.40	-0.24	20.66	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
08:28:41	0.42	0.15	21.71	0.99	
08:32:20	0.28	0.20	21.49	1.00	
08:35:58	0.14	0.21	21.33	1.00	
08:39:38	0.19	-0.01	21.51	1.00	
08:43:16	-0.07	-0.10	21.69	1.00	
08:46:55	-0.04	0.02	22.38	0.99	
08:50:35	0.04	-0.02	22.84	1.00	
08:54:14	0.09	-0.01	23.32	1.00	
08:57:54	-0.08	0.12	23.76	0.99	
09:01:32	0.08	0.19	24.48	1.00	
09:05:12	0.07	-0.17	24.74	1.00	
09:08:51	0.16	0.04	24.79	0.99	
09:12:29	0.18	-0.04	24.96	1.00	
09:16:09	0.25	-0.04	25.29	1.00	
09:19:47	0.18	-0.15	25.03	1.00	
09:23:31	0.07	-0.04	24.74	1.00	
09:27:10	0.02	-0.17	25.08	1.00	
09:30:50	0.19	0.01	25.23	1.00	
09:34:29	0.26	-0.09	25.79	1.00	
09:38:07	0.17	0.26	26.64	1.00	
09:41:48	0.38	0.13	27.71	1.00	
09:45:26	0.50	0.02	28.36	1.00	
09:49:18	0.29	-0.04	29.35	1.00	
09:52:58	0.18	0.22	30.37	1.00	
09:56:37	0.51	-0.31	31.51	1.00	
10:00:18	0.31	-0.01	32.41	1.00	
10:03:56	0.31	-0.05	33.07	1.00	
10:07:36	0.57	0.18	33.68	1.00	
10:11:15	0.28	-0.38	33.59	1.00	
10:14:55	0.07	0.01	33.35	1.00	
10:18:33	0.26	0.13	33.49	1.00	
10:22:15	0.13	0.25	35.12	1.00	
10:25:55	-0.03	-0.04	37.34	1.00	
10:29:34	0.18	0.20	40.27	1.00	
10:33:12	0.24	-0.07	43.20	1.00	
10:36:53	0.08	-0.40	44.92	1.00	
10:40:33	0.05	-0.23	45.10	1.00	
10:44:12	0.05	-0.16	44.09	1.00	
10:47:50	0.10	-0.08	42.26	1.00	
10:51:33	0.15	0.16	39.87	1.00	
10:55:12	0.19	-0.24	37.95	1.00	
10:58:50	0.03	-0.17	37.18	1.00	
11:02:32	0.01	0.04	36.32	1.00	
11:06:12	0.10	0.12	35.35	1.00	
11:09:51	0.12	0.28	34.48	1.00	
11:13:31	0.21	0.52	33.45	1.00	
11:17:09	0.30	0.46	31.82	1.00	
11:20:49	0.28	0.03	30.37	1.00	
11:24:28	0.26	0.32	29.51	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
11:28:06	0.29	-0.02	29.02	1.00	
11:31:46	0.06	0.13	28.78	1.00	
11:35:24	0.17	-0.11	28.04	1.00	
11:39:05	0.32	0.06	27.37	1.00	
11:42:43	0.31	-0.32	26.22	1.00	
11:46:24	0.26	-0.09	25.44	1.00	
11:50:03	0.51	-0.24	24.58	1.00	
11:53:43	0.39	-0.18	24.55	1.00	
11:57:21	0.33	-0.21	24.70	1.00	
12:01:01	0.26	0.09	25.49	1.00	
12:04:40	0.21	-0.02	26.24	1.00	
12:08:18	0.19	0.02	27.40	1.00	
12:11:58	0.33	0.10	28.00	1.00	
12:15:36	0.37	0.11	28.50	1.00	
12:19:17	0.39	-0.08	28.02	1.00	
12:22:59	0.17	-0.00	27.52	1.00	
12:26:37	0.08	0.04	26.64	0.99	
12:30:17	0.04	0.01	25.97	1.00	
12:33:56	0.00	-0.09	25.43	1.00	
12:37:38	0.03	-0.10	25.96	1.00	
12:41:18	0.25	-0.02	26.16	0.99	
12:44:56	0.23	0.01	26.79	1.00	
12:48:36	0.24	-0.13	27.41	1.00	
12:52:15	0.34	0.20	27.53	0.99	
12:55:55	0.35	0.04	27.83	1.00	
12:59:34	0.28	-0.01	29.81	1.00	
13:03:15	0.44	-0.04	34.47	1.00	
13:06:53	0.36	0.09	38.75	0.99	
13:10:33	0.26	0.11	42.68	1.00	
13:14:12	0.38	0.24	46.26	1.00	
13:17:50	0.59	-0.13	47.85	1.00	
13:21:30	0.33	0.05	46.63	1.00	
13:25:09	0.59	-0.01	45.56	1.00	
13:28:49	0.65	-0.13	45.87	1.00	
13:32:28	0.60	0.10	46.18	1.00	
13:36:08	0.65	0.22	47.17	1.00	
13:39:47	0.65	0.13	47.88	1.00	
13:43:27	0.51	0.17	48.33	1.00	
13:47:05	0.38	-0.04	47.58	1.00	
13:50:45	0.17	-0.18	46.53	1.00	
13:54:24	-0.16	-0.22	45.00	1.00	
13:58:04	-0.08	-0.25	43.33	1.00	
14:01:43	-0.30	-0.23	42.02	1.00	
14:05:23	-0.33	-0.28	41.23	1.00	
14:09:02	-0.18	-0.13	40.24	1.00	
14:12:42	-0.15	-0.02	38.11	1.00	
14:16:24	-0.17	-0.05	36.50	1.00	
14:20:06	0.07	0.05	33.33	1.00	
14:23:44	-0.04	0.11	29.94	1.00	

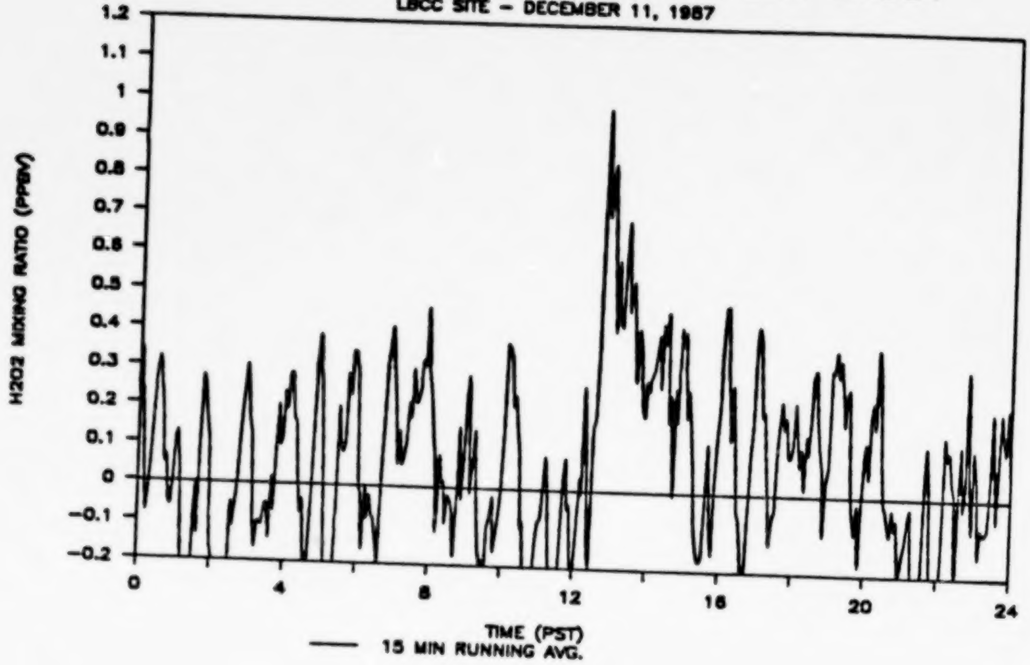
START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
14:27:24	-0.09	0.01	26.71	1.00	
14:31:02	0.02	0.10	24.83	0.99	
14:34:41	0.01	0.30	23.08	1.00	
14:38:21	0.12	0.08	22.92	1.00	
14:42:00	0.45	0.29	23.19	1.00	
14:45:40	0.52	-0.02	22.89	0.99	
14:49:21	0.49	-0.00	23.13	1.00	
14:53:00	0.55	-0.06	23.71	1.00	
14:56:40	0.48	-0.06	24.45	1.00	
15:00:26	0.29	-0.27	24.27	1.00	
15:04:06	0.16	-0.07	25.08	1.00	
15:07:44	0.02	-0.19	25.45	1.00	
15:11:23	-0.07	-0.27	25.63	1.00	
15:15:03	-0.15	-0.16	25.69	1.00	
15:18:42	-0.10	0.09	26.44	1.00	
15:22:22	0.06	0.22	26.73	1.00	
15:26:01	0.38	0.10	26.37	1.00	
15:29:41	0.39	0.26	25.45	1.00	
15:33:19	0.33	0.10	24.35	1.00	
15:37:00	0.12	-0.13	22.79	1.00	
15:40:38	0.01	-0.04	21.18	1.00	
15:44:18	-0.18	0.17	19.96	1.00	
15:47:57	-0.13	-0.16	18.35	1.00	
15:51:41	-0.09	0.06	16.98	1.00	
15:55:26	0.13	0.10	16.41	1.00	
15:59:04	0.06	-0.08	15.92	1.00	
16:02:43	-0.07	-0.08	15.57	1.00	
16:06:23	-0.04	0.28	15.75	1.00	
16:10:02	0.08	-0.02	15.85	1.00	
16:13:41	-0.02	-0.02	15.89	1.00	
16:17:21	-0.01	0.00	15.98	1.00	
16:21:03	0.22	0.05	16.14	0.99	
16:24:42	0.23	-0.32	15.87	1.00	
16:28:22	0.00	-0.09	15.74	1.00	
16:32:02	-0.10	0.17	16.31	1.00	
16:35:41	-0.03	-0.11	15.90	1.00	
16:39:20	-0.19	-0.11	15.43	1.00	
16:42:58	-0.07	0.20	15.24	1.00	
16:46:37	0.10	0.19	14.87	1.00	
16:50:16	0.30	-0.07	13.56	1.00	
16:53:56	0.28	0.14	13.39	1.00	
16:57:35	0.29	-0.00	13.08	1.00	
17:01:15	-0.01	-0.18	12.78	1.00	
17:05:00	-0.20	-0.34	12.38	1.00	
17:08:39	-0.21	-0.03	12.37	1.00	
17:12:17	0.02	0.10	12.11	1.00	
17:15:56	-0.03	0.02	12.08	1.00	
17:19:35	0.07	0.04	11.90	0.99	
17:23:15	0.13	0.25	11.83	0.99	

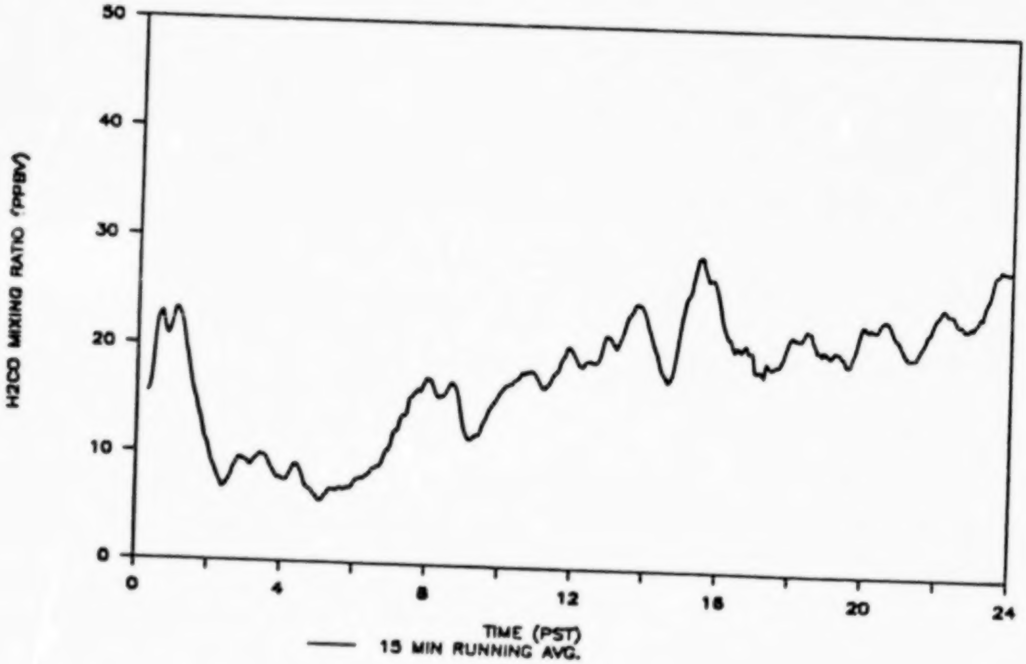
START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
17:26:54	-0.05	0.07	11.14	1.00	
17:30:37	-0.33	-0.07	10.82	1.00	
17:34:16	-0.15	0.16	10.60	0.99	
17:38:03	-0.21	0.02	10.68	1.00	
17:41:43	-0.29	-0.08	11.03	0.99	
17:45:22	-0.29	-0.05	11.55	1.00	
17:49:00	-0.15	0.02	12.21	1.00	
17:52:41	-0.26	-0.14	12.74	1.00	
17:56:19	-0.24	-0.02	13.28	1.00	
17:59:58	-0.07	0.02	13.55	0.99	
18:03:38	0.09	0.17	14.02	1.00	
18:07:17	0.19	0.12	14.20	1.00	
18:10:57	-0.05	-0.10	14.45	1.00	
18:14:36	-0.00	-0.13	14.41	0.99	
18:18:18	-0.13	-0.03	14.68	0.99	
18:21:58	-0.09	-0.30	14.81	1.00	
18:25:37	-0.23	-0.17	14.87	1.00	
18:29:15	0.19	0.04	14.85	1.00	
18:32:54	0.38	0.15	15.21	1.00	
18:36:39	0.59	0.11	15.52	1.00	
18:40:18	0.52	0.36	16.21	1.00	
18:43:58	0.53	0.15	16.81	1.00	
18:47:40	0.44	0.42	17.49	1.00	
18:51:20	0.38	0.20	18.19	1.00	
18:54:59	0.48	0.13	18.75	1.00	
18:58:39	0.52	-0.27	18.96	1.00	
19:02:18	0.44	-0.10	19.25	1.00	
19:06:00	0.30	-0.26	19.39	0.99	
19:09:40	0.21	-0.18	19.14	1.00	
19:13:19	-0.18	-0.16	18.68	1.00	
19:16:58	-0.22	0.12	18.01	1.00	
19:20:36	-0.08	0.23	17.50	0.99	
19:24:16	-0.05	0.17	16.67	0.99	
19:27:55	0.09	0.01	15.83	1.00	
19:31:34	0.35	-0.04	14.62	0.99	
19:35:14	0.31	-0.15	14.04	1.00	
19:38:53	0.28	-0.39	12.84	0.99	
19:42:33	0.26	-0.29	12.91	0.99	
19:46:12	0.29	-0.13	13.27	0.99	
19:49:51	0.24	0.05	13.95	1.00	
19:53:29	0.22	-0.02	14.55	0.99	
19:57:10	0.10	0.30	15.51	1.00	
20:00:48	0.04	0.01	15.99	0.99	
20:04:30	-0.01	0.10	16.53	1.00	
20:08:09	0.08	-0.15	16.95	1.00	
20:11:48	0.05	-0.13	17.07	0.99	
20:15:26	0.07	-0.36	17.48	1.00	
20:19:08	0.13	0.12	17.92	1.00	
20:22:47	0.01	0.24	18.08	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
20:26:27	-0.09	0.34	18.72	1.00	
20:30:06	0.15	0.34	19.31	1.00	
20:33:46	0.24	0.23	19.59	1.00	
20:37:25	0.36	-0.06	19.47	1.00	
20:41:03	0.39	-0.34	19.43	1.00	
20:44:47	0.37	-0.30	19.23	1.00	
20:48:26	0.20	-0.20	18.79	1.00	
20:52:04	0.16	0.04	18.39	1.00	
20:55:43	0.22	0.25	17.90	1.00	
20:59:22	0.14	0.31	17.24	0.99	
21:03:02	0.05	0.20	16.70	1.00	
21:06:41	0.07	0.11	16.17	0.99	
21:10:21	0.06	-0.18	15.88	1.00	
21:14:01	-0.03	-0.26	15.56	1.00	
21:17:40	0.16	-0.05	15.58	1.00	
21:21:20	0.21	-0.14	15.23	0.99	
21:24:59	0.20	0.14	15.34	0.99	
21:28:39	0.23	0.28	15.38	0.99	
21:32:18	-0.00	0.10	15.71	0.99	
21:35:58			16.54	0.99	
21:39:37			17.49	0.99	
22:27:32					CALIBRATION
22:38:14				0.99	
22:41:52				0.99	
22:45:31	-0.36	-0.18		0.98	
22:49:11	-0.41	0.14		1.00	
22:52:50	-0.34	0.08	15.61	0.99	
22:56:29	-0.28	0.04	15.41	1.00	
23:00:07	-0.23	0.13	15.54	1.00	
23:03:46	0.05	-0.09	15.52	0.98	
23:07:28	0.06	-0.35	15.19	1.00	
23:11:08	0.02	-0.27	14.49	1.00	
23:14:47	0.01	-0.27	14.23	0.99	
23:18:27	0.24	-0.19	13.72	1.00	
23:22:06	0.00	-0.16	13.49	0.99	
23:25:46	-0.03	-0.02	13.33	0.99	
23:29:25	-0.10	0.06	13.66	0.99	
23:33:07	-0.13	0.14	13.53	0.99	
23:36:45	-0.39	0.10	13.65	1.00	
23:40:24	-0.31	0.36	13.61	1.00	
23:44:06	-0.23	0.23	13.83	0.99	
23:47:45	-0.05	0.21	14.39	0.99	
23:51:25	0.10	0.10	14.87	0.99	
23:55:04	0.30	0.07	15.26	1.00	
23:58:44	0.37	-0.03	15.78	1.00	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 11, 1987





PROGRAM NAME: SCAQS
ORGANIZATION: UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A"
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 11, 1987
JULIAN DATE: 345

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
00:02:28	0.34	-0.05		1.00	
00:06:07	0.21	-0.07		0.99	
00:09:46	0.02	-0.10		0.99	
00:13:28	-0.08	-0.02		0.99	
00:17:10	-0.01	0.08	15.56	0.99	
00:20:52	0.08	0.10	15.91	0.99	
00:24:32	0.20	0.07	17.59	1.00	
00:28:13	0.28	0.14	20.35	0.99	
00:31:52	0.32	0.01	22.20	0.99	
00:35:32	0.28	-0.08	22.74	0.98	
00:39:11	0.17	-0.15	22.95	1.00	
00:42:50	0.05	-0.12	22.22	0.99	
00:46:29	0.07	-0.13	21.05	0.99	
00:50:08	-0.05	-0.05	20.85	1.00	
00:53:47	-0.06	-0.01	21.44	1.00	
00:57:26	-0.00	0.04	22.26	0.99	
01:01:05	0.11	-0.12	23.18	0.99	
01:04:44	0.13	-0.09	23.32	0.99	
01:08:27	0.05	-0.24	22.90	0.99	
01:12:08	-0.25	-0.28	22.34	0.98	
01:15:53	-0.36	-0.09	21.27	0.99	
01:19:32	-0.39	-0.07	19.76	1.00	
01:23:11	-0.56	-0.07	18.86	0.98	
01:26:50	-0.47	0.10	17.53	0.98	
01:30:29	-0.15	0.06	16.36	0.98	
01:34:08	-0.01	-0.03	15.52	1.00	
01:37:47	-0.13	0.12	14.91	1.00	
01:41:26	0.10	0.03	13.97	0.99	
01:45:06	0.27	0.05	13.27	1.00	
01:48:45	0.26	-0.07	12.38	0.99	
01:52:29	0.18	0.24	11.42	1.00	
01:56:08	0.11	-0.04	10.87	0.99	
01:59:47	-0.16	0.05	10.20	0.99	
02:03:28	-0.21	-0.02	9.39	1.00	
02:07:09	-0.31	0.14	8.78	1.00	
02:10:49	-0.46	-0.14	8.35	0.99	
02:14:29	-0.46	0.12	7.79	0.99	
02:18:09	-0.30	0.06	7.35	0.99	
02:21:51	-0.46	0.14	6.81	0.99	
02:25:38	-0.34	0.15	6.90	1.00	
02:29:19	-0.26	0.17	7.28	0.99	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
02:32:58	-0.05	-0.00	7.60	0.99	
02:36:39	-0.11	0.02	8.00	0.99	
02:40:19	-0.05	-0.11	8.76	0.99	
02:43:59	0.01	-0.02	9.08	0.98	
02:47:40	0.12	-0.19	9.44	0.99	
02:51:19	0.20	-0.10	9.62	0.99	
02:55:00	0.26	-0.21	9.40	0.99	
02:58:41	0.30	0.07	9.41	0.98	
03:02:21	0.17	-0.15	9.23	0.99	
03:06:04	0.13	-0.12	8.91	0.99	
03:09:44	-0.09	-0.07	8.93	0.99	
03:13:24	-0.16	0.04	9.40	0.99	
03:17:05	-0.10	-0.09	9.58	0.99	
03:20:46	-0.10	-0.12	9.79	0.99	
03:24:26	-0.11	0.04	9.99	0.99	
03:28:06	-0.05	0.02	9.88	0.99	
03:31:54	-0.05	-0.03	9.85	1.00	
03:35:34	-0.14	-0.03	9.49	0.99	
03:39:14	0.02	0.16	9.01	0.99	
03:42:56	-0.07	0.17	8.64	0.99	
03:46:35	0.08	0.14	8.31	0.99	
03:50:16	0.20	0.23	7.90	0.98	
03:53:56	0.10	-0.01	7.75	0.99	
03:57:37	0.12	0.02	7.82	0.99	
04:01:17	0.24	-0.17	7.66	0.98	
04:04:58	0.19	0.00	7.58	1.00	
04:08:38	0.28	0.11	7.70	0.98	
04:12:19	0.29	0.16	8.09	0.99	
04:16:00	0.17	0.15	8.52	0.99	
04:19:40	0.16	0.04	8.94	0.99	
04:23:21	0.01	0.06	9.10	0.99	
04:27:01	-0.07	-0.01	8.90	0.99	
04:30:42	-0.04	0.04	8.47	0.99	
04:34:23	-0.20	-0.03	7.88	0.99	
04:38:03	-0.29	0.17	7.24	0.96	
04:41:44	-0.17	0.11	6.96	0.98	
04:45:31	-0.02	0.20	6.85	0.98	
04:49:12	0.17	0.10	6.71	0.98	
04:52:52	0.32	0.01	6.28	0.99	
04:56:40	0.39	-0.01	6.24	0.99	
05:00:20	0.27	0.06	5.80	0.99	
05:04:07	0.09	-0.27	5.74	0.98	
05:07:52	-0.21	-0.24	5.81	0.99	
05:11:33	-0.38	0.03	6.28	0.99	
05:15:14	-0.33	0.02	6.41	0.98	
05:18:54	-0.29	-0.08	6.83	0.98	
05:22:35	-0.28	0.04	6.85	0.98	
05:26:16	-0.09	0.14	6.79	0.99	
05:29:56	0.20	-0.00	6.72	0.99	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
05:33:37	0.11	-0.09	6.88	1.00	
05:37:17	0.09	-0.11	6.99	0.99	
05:40:58	0.11	-0.10	6.80	0.99	
05:44:39	0.29	-0.03	6.83	0.99	
05:48:28	0.23	-0.12	7.02	0.99	
05:52:09	0.34	-0.12	6.94	0.99	
05:55:52	0.34	-0.29	7.15	0.99	
05:59:32	0.30	0.02	7.60	0.99	
06:03:13	-0.00	0.12	7.84	0.99	
06:06:53	-0.02	0.12	7.83	0.99	
06:10:34	-0.16	0.21	7.93	0.98	
06:14:15	0.00	0.44	7.85	0.98	
06:17:55	-0.08	0.01	8.07	0.99	
06:21:36	-0.02	-0.21	8.21	0.99	
06:25:17	-0.08	0.09	8.46	0.99	
06:28:57	-0.08	0.02	8.72	1.00	
06:37:07	-0.20	-0.12	8.99	1.00	
06:40:47	0.01	0.02	9.04	0.99	
06:44:28	0.14	0.08	9.35	0.99	
06:48:08	0.30	-0.34	10.01	0.99	
06:51:51	0.35	-0.34	10.50	1.00	
06:55:32	0.41	-0.20	10.62	1.00	
06:59:13	0.32	-0.13	11.09	1.00	
07:02:53	0.21	0.01	12.11	0.99	
07:06:34	0.06	0.24	12.39	0.99	
07:10:19	0.14	0.15	12.40	1.00	
07:13:59	0.06	0.16	13.41	1.00	
07:17:40	0.08	0.07	13.89	1.00	
07:21:21	0.11	0.00	13.83	0.99	
07:25:01	0.21	-0.40	14.08	1.00	
07:28:42	0.18	-0.02	15.39	1.00	
07:32:23	0.30	-0.07	15.51	0.99	
07:36:05	0.21	-0.11	15.81	0.99	
07:39:52	0.22	-0.10	15.98	0.99	
07:43:31	0.25	0.21	16.26	0.99	
07:47:12	0.33	-0.12	16.06	0.99	
07:50:52	0.31	-0.13	16.60	0.98	
07:54:33	0.46	0.14	17.06	1.00	
07:58:14	0.31	-0.06	17.34	0.98	
08:01:55	0.22	-0.02	17.19	1.00	
08:05:35	0.13	0.37	16.99	0.99	
08:09:13	0.09	0.29	16.47	0.99	
08:12:53	-0.11	0.11	15.91	1.00	
08:16:32	0.08	0.07	15.57	0.99	
08:20:13	0.01	0.06	15.68	0.99	
08:23:53	0.02	-0.31	15.69	1.00	
08:27:36	-0.09	-0.06	15.88	0.99	
08:31:14	-0.02	0.10	16.30	0.99	
08:34:54	-0.03	0.15	16.68	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
08:38:32	-0.06	0.05	16.98	0.99	
08:42:13	-0.18	-0.01	16.91	0.99	
08:45:51	-0.04	-0.10	16.46	0.99	
08:49:30	0.15	-0.15	15.63	0.99	
08:53:10	-0.03	0.09	14.43	0.99	
08:56:51	0.06	0.10	13.27	1.00	
09:00:36	0.23	0.10	12.43	0.98	
09:04:21	0.29	-0.01	12.01	0.99	
09:08:00	-0.01	-0.08	11.74	1.00	
09:11:43	0.06	-0.15	11.77	0.99	
09:15:22	0.15	-0.10	12.00	0.99	
09:19:02	-0.02	0.06	12.19	0.99	
09:22:41	-0.16	-0.11	12.12	0.98	
09:26:19	-0.20	-0.04	12.54	0.99	
09:30:00	-0.18	-0.11	13.15	0.99	
09:33:40	-0.28	-0.17	13.59	0.99	
09:37:19	-0.10	-0.03	13.92	0.99	
09:40:59	-0.08	0.27	14.54	0.99	
09:44:38	-0.02	0.11	14.95	1.00	
09:48:18	-0.16	0.10	15.16	1.00	
09:51:56	-0.12	0.39	15.43	0.99	
09:55:35	-0.07	0.16	15.82	1.00	
09:59:15	-0.00	0.15	16.18	1.00	
10:02:54	0.15	0.03	16.47	0.99	
10:06:38	0.37	0.20	16.69	0.99	
10:10:19	0.36	-0.27	16.85	0.99	
10:13:58	0.34	-0.20	16.98	0.99	
10:17:38	0.21	-0.23	16.96	0.99	
10:21:16	0.24	-0.24	17.26	1.00	
10:24:56	0.16	-0.44	17.35	0.99	
10:28:35	0.10	-0.01	17.54	0.99	
10:32:15	-0.10	-0.05	17.80	0.99	
10:35:54	-0.08	-0.19	18.05	0.98	
10:39:32	-0.31	0.08	17.91	1.00	
10:43:13	-0.25	0.27	18.17	1.00	
10:46:53	-0.27	0.06	18.10	0.99	
10:50:32	-0.24	0.15	18.27	1.00	
10:54:12	-0.22	0.13	18.13	1.00	
10:57:50	-0.13	0.25	17.80	0.99	
11:01:29	-0.08	0.03	17.43	1.00	
11:05:09	-0.08	-0.04	17.05	0.98	
11:08:51	0.01	-0.05	16.65	1.00	
11:12:29	0.08	-0.06	16.64	0.99	
11:16:10	0.01	-0.23	16.91	0.99	
11:19:48	-0.18	-0.17	17.04	0.98	
11:23:29	-0.28	0.04	17.54	0.99	
11:27:07	-0.38	0.04	17.99	1.00	
11:30:47	-0.42	0.05	18.08	1.00	
11:34:29	-0.30	-0.16	18.33	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
11:38:07	-0.13	0.15	19.06	1.00	
11:41:51	0.02	0.00	19.43	0.99	
11:45:30	0.08	-0.01	19.77	0.99	
11:49:10	-0.05	-0.09	20.43	1.00	
11:52:49	-0.04	0.27	20.55	0.99	
11:56:29	-0.26	-0.21	20.21	0.99	
12:01:21	-0.24	-0.13	19.78	1.00	
12:05:01	-0.12	-0.03	19.40	0.99	
12:08:40	0.03	0.02	18.86	1.00	
12:12:18	-0.01	-0.17	18.78	0.99	
12:15:59	0.26	-0.12	18.69	0.99	
12:19:37	0.13	0.09	19.17	0.99	
12:23:17	-0.15	0.02	19.23	0.99	
12:26:58	-0.20	0.23	19.31	0.99	
12:30:36	0.16	0.26	19.14	0.99	
12:34:15	0.18	0.23	19.14	0.99	
12:38:00	0.34	0.04	19.14	0.99	
12:41:40	0.74	0.18	19.43	0.99	
12:45:19	0.99	-0.10	20.09	1.00	
12:48:59	0.71	-0.01	20.98	0.99	
12:52:38	0.79	0.20	21.69	0.99	
12:56:18	0.85	0.11	21.64	1.00	
12:59:57	0.59	-0.20	21.49	0.99	
13:03:37	0.41	0.00	21.07	0.98	
13:07:18	0.60	-0.12	20.74	1.00	
13:11:00	0.44	-0.13	20.47	0.99	
13:14:40	0.42	-0.20	21.11	1.00	
13:18:22	0.60	0.07	21.61	1.00	
13:22:03	0.70	-0.14	22.15	0.99	
13:25:41	0.46	-0.04	23.00	1.00	
13:29:23	0.51	0.14	23.48	0.99	
13:33:01	0.54	0.13	23.66	0.99	
13:36:41	0.35	-0.09	24.09	0.99	
13:40:20	0.28	0.21	24.56	0.99	
13:44:00	0.42	-0.03	24.63	0.99	
13:47:39	0.38	-0.23	24.58	0.98	
13:51:19	0.22	-0.04	24.44	0.99	
13:54:57	0.19	-0.03	24.04	0.98	
13:58:38	0.28	0.00	23.43	0.98	
14:02:16	0.26	-0.07	22.62	0.99	
14:05:57	0.30	0.05	22.06	0.99	
14:09:36	0.31	-0.05	21.22	0.98	
14:13:16	0.36	0.03	20.62	0.98	
14:16:57	0.40	0.14	20.11	0.99	
14:20:35	0.27	0.21	19.29	0.98	
14:24:16	0.43	0.04	18.70	0.99	
14:27:55	0.38	0.14	18.30	0.99	
14:31:35	0.46	0.07	17.87	0.99	
14:35:14	0.18	-0.23	17.47	0.99	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
14:38:54	0.25	-0.02	17.63	0.98	
14:42:35	-0.01	0.13	18.25	1.00	
14:46:13	0.27	-0.01	19.00	0.99	
14:49:54	0.18	-0.05	20.34	0.99	
14:53:32	0.43	0.04	21.77	1.00	
14:57:14	0.38	-0.08	23.09	0.98	
15:00:54	0.41	-0.30	24.20	0.99	
15:04:32	0.19	-0.13	25.10	0.99	
15:08:15	0.26	0.11	25.50	0.99	
15:11:55	0.17	-0.12	25.84	1.00	
15:15:34	0.08	-0.09	26.93	1.00	
15:19:14	-0.08	0.18	27.89	1.00	
15:22:55	-0.14	0.04	28.93	0.99	
15:26:33	-0.17	-0.17	29.10	0.99	
15:30:14	-0.17	0.03	29.09	0.99	
15:33:56	-0.16	0.38	28.19	0.99	
15:37:34	0.03	-0.15	27.46	1.00	
15:41:14	0.13	0.01	26.91	1.00	
15:44:53	-0.10	0.16	27.04	1.00	
15:48:33	-0.16	-0.08	27.05	0.99	
15:52:12	0.01	-0.25	26.76	1.00	
15:55:52	0.13	0.19	25.96	1.00	
15:59:33	0.23	-0.05	24.81	0.99	
16:03:11	0.40	-0.00	23.70	1.00	
16:06:52	0.48	0.29	22.83	0.98	
16:10:30	0.48	0.09	22.27	1.00	
16:14:11	0.29	-0.10	21.71	0.98	
16:17:49	0.14	-0.15	21.68	1.00	
16:21:30	0.28	-0.06	21.02	0.99	
16:25:10	0.13	-0.29	20.52	0.99	
16:28:50	-0.04	-0.03	20.94	1.00	
16:32:32	-0.06	-0.13	20.79	0.98	
16:36:14	-0.14	0.11	20.49	1.00	
16:39:54	-0.30	0.06	20.90	1.00	
16:43:36	-0.29	0.40	21.19	0.99	
16:47:16	-0.06	0.03	20.43	1.00	
16:50:57	0.09	0.18	20.47	1.00	
16:54:37	0.18	0.26	20.42	0.99	
16:58:19	0.40	0.05	18.72	0.99	
17:02:07	0.43	-0.35	18.66	0.98	
17:05:47	0.40	-0.06	18.75	0.98	
17:09:32	0.20	-0.09	18.70	1.00	
17:13:13	0.21	-0.29	18.23	0.99	
17:16:53	0.08	-0.06	19.54	1.00	
17:20:33	-0.03	0.06	19.28	0.99	
17:24:12	-0.13	0.01	19.07	0.99	
17:27:52	-0.05	0.27	19.01	0.99	
17:31:32	-0.04	0.10	19.20	0.99	
17:35:13	0.10	-0.18	19.23	1.00	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
17:38:53	0.19	-0.04	19.25	0.97	
17:42:33	0.24	-0.29	19.61	0.99	
17:46:13	0.17	-0.28	20.10	0.99	
17:49:54	0.20	-0.10	20.82	0.99	
17:53:34	0.10	0.05	21.42	1.00	
17:57:13	0.10	0.19	21.90	1.00	
18:00:53	0.12	0.18	22.02	0.99	
18:04:33	0.24	0.15	21.83	0.99	
18:08:12	0.15	0.06	21.76	1.00	
18:11:55	0.07	0.02	21.68	0.99	
18:15:34	0.12	-0.18	21.73	0.99	
18:19:14	0.02	-0.07	22.23	0.99	
18:22:55	0.15	-0.20	22.67	0.99	
18:26:35	0.11	0.13	22.49	1.00	
18:30:14	0.22	0.05	22.47	1.00	
18:33:54	0.31	0.15	21.79	0.99	
18:37:34	0.32	0.30	21.20	1.00	
18:41:13	0.20	0.12	20.70	1.00	
18:44:53	0.13	-0.01	20.78	0.99	
18:48:32	0.07	-0.02	20.40	0.98	
18:52:12	-0.10	-0.17	20.79	0.99	
18:55:54	0.03	-0.19	20.62	1.00	
18:59:33	0.08	0.04	20.35	0.99	
19:03:13	0.32	-0.09	20.18	0.99	
19:06:55	0.32	0.01	20.48	0.99	
19:10:35	0.37	0.10	20.79	1.00	
19:14:14	0.31	0.02	20.62	0.99	
19:17:54	0.35	0.03	20.58	0.99	
19:21:33	0.27	0.04	20.24	0.98	
19:25:13	0.18	-0.06	20.17	0.99	
19:28:52	0.26	0.19	19.60	0.99	
19:32:35	0.28	0.02	19.41	0.98	
19:36:14	0.03	-0.07	19.57	1.00	
19:39:54	-0.04	-0.09	20.22	0.98	
19:43:33	-0.09	0.09	20.87	0.98	
19:47:16	-0.02	-0.22	21.63	0.98	
19:50:57	-0.18	-0.02	22.47	1.00	
19:54:35	-0.01	-0.08	23.17	0.98	
19:58:16	0.11	0.05	23.17	0.99	
20:01:54	0.14	-0.13	22.89	0.99	
20:05:36	0.05	-0.07	22.69	0.99	
20:09:15	0.21	-0.03	22.98	0.99	
20:12:55	0.24	0.01	22.75	0.99	
20:16:34	0.18	-0.11	22.75	0.99	
20:20:14	0.38	0.06	22.76	0.99	
20:23:54	0.31	-0.05	23.31	0.98	
20:27:35	0.09	-0.03	23.54	0.98	
20:31:15	-0.02	0.10	23.70	0.98	
20:34:54	-0.03	0.10	23.65	0.99	

START TIME (PST)	H_2O_2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H_2CO 15 MIN RUNNING AVERAGE	H_2CO LINEAR CORREL. COEFF.	COMMENTS
20:38:34	-0.07	-0.03	23.55	0.99	
20:42:14	-0.10	0.16	22.99	1.00	
20:45:55	-0.03	-0.03	22.48	0.99	
20:49:33	-0.08	-0.02	22.12	0.99	
20:53:20	-0.06	0.04	22.01	0.99	
20:57:00	-0.21	0.17	21.57	0.99	
21:00:39	-0.18	0.07	21.15	0.99	
21:04:19	-0.14	0.08	20.76	0.99	
21:08:01	-0.12	0.11	20.49	0.99	
21:11:41	-0.05	0.06	20.21	0.98	
21:15:20	-0.03	-0.11	20.21	1.00	
21:19:00	-0.26	-0.24	20.25	1.00	
21:22:41	-0.37	-0.06	20.27	0.99	
21:27:35	-0.29	-0.24	20.73	0.99	
21:31:15	-0.31	-0.08	21.10	0.98	
21:34:54	-0.22	0.14	21.47	0.99	
21:38:34	0.05	0.21	21.96	0.99	
21:42:14	0.13	0.06	22.50	1.00	
21:45:53	0.01	0.15	22.64	0.98	
21:49:33	-0.21	-0.00	23.09	0.99	
21:53:12	-0.42	-0.19	23.63	0.99	
21:56:52	-0.54	-0.02	24.18	0.99	
22:00:31	-0.49	0.24	24.21	0.99	
22:04:11	-0.26	-0.10	24.57	0.99	
22:07:52	-0.13	0.06	24.93	0.99	
22:11:32	0.16	0.05	24.81	0.98	
22:15:11	0.10	-0.06	24.42	0.99	
22:20:00	0.12	-0.24	24.41	0.99	
22:23:40	0.04	0.18	24.40	0.99	
22:27:21	0.01	-0.08	23.88	0.99	
22:31:01	-0.33	-0.02	23.54	0.99	
22:34:41	0.01	0.08	23.47	1.00	
22:38:20	0.14	0.02	23.42	1.00	
22:42:00	-0.03	-0.22	23.07	0.99	
22:45:39	0.00	0.01	23.00	0.99	
22:49:19	0.33	0.04	23.02	0.99	
22:53:04	-0.00	-0.05	23.36	0.99	
22:56:43	-0.08	-0.03	23.14	0.99	
23:00:26	0.12	0.15	23.55	0.98	
23:04:08	0.05	0.09	23.76	1.00	
23:07:56	-0.15	0.01	24.28	0.99	
23:11:35	-0.08	0.03	24.13	0.99	
23:15:15	-0.09	0.05	25.08	0.99	
23:18:54	-0.09	0.05	25.63	0.99	
23:22:34	-0.08	-0.12	25.93	0.99	
23:26:13	0.05	-0.02	26.84	0.99	
23:29:53	0.22	0.04	27.82	0.98	
23:33:35	0.10	-0.07	28.12	1.00	
23:37:14	-0.06	-0.04	28.15	0.98	

START TIME (PST)	H2O2 15 MIN RUNNING AVERAGE	MDL 15 MIN RUNNING AVERAGE	H2CO 15 MIN RUNNING AVERAGE	H2CO LINEAR CORREL. COEFF.	COMMENTS
23:40:54	0.13	-0.01	28.66	1.00	
23:44:34	0.22	-0.06	28.51	0.99	
23:48:15	0.15	-0.28	28.46	1.00	
23:51:55	0.12	0.05	28.40	0.98	
23:55:34	0.23	-0.01	28.36	0.99	
23:59:14	0.06	0.04	28.37	0.99	

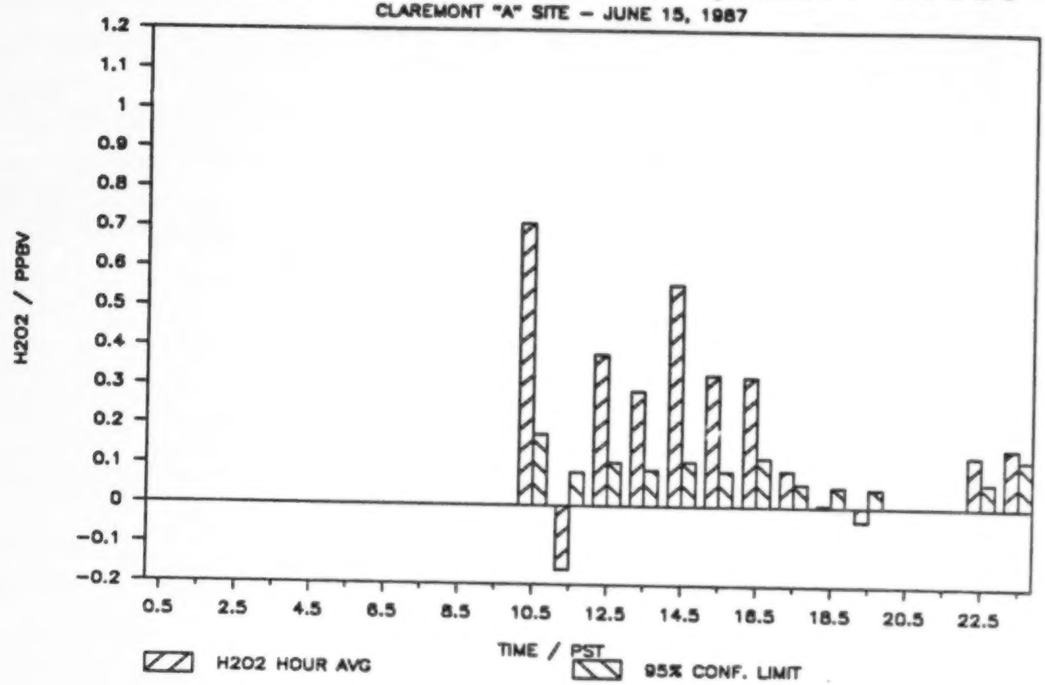
APPENDIX B

1 Hour average H_2O_2 and H_2CO mixing ratios for the entire study

H_2O_2 mixing ratios are calculated from the slope of a least squares fit of a calibration spectrum to the average of the individual 1 minute ambient spectra acquired in each hour. The MDL values are calculated in the same manner from the 1 minute background spectra.

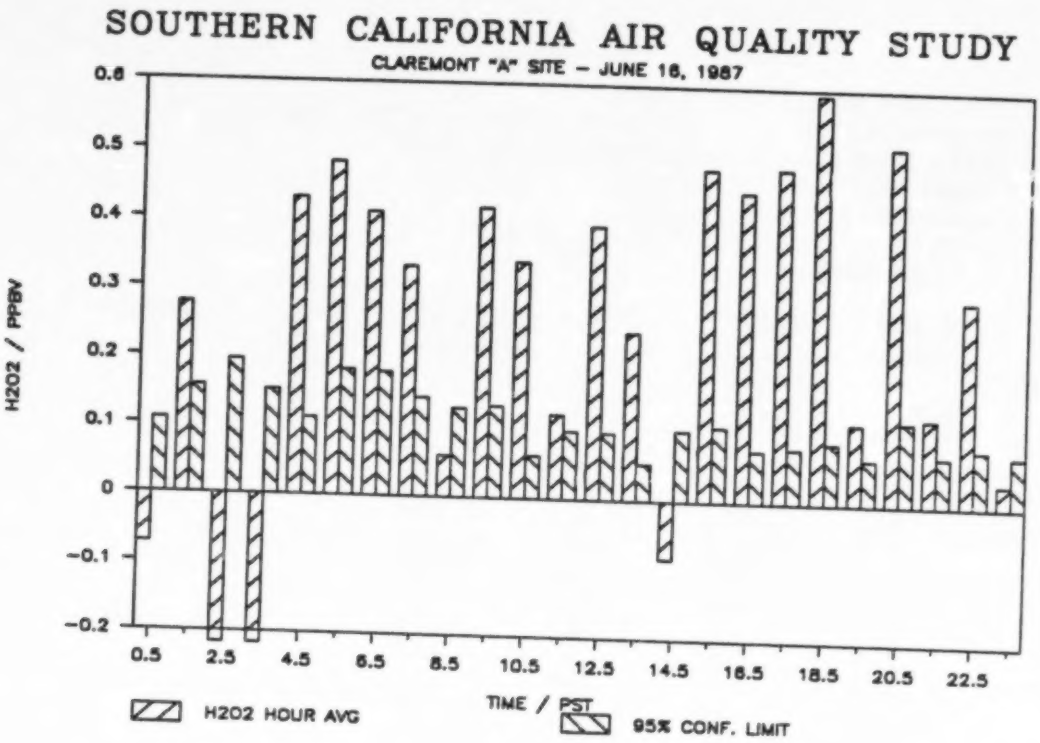
H_2CO values are obtained by simply averaging the calculated 1 minute data points over each hourly period. Since background spectra were only taken every ~8 hours these data are not shown here.

SOUTHERN CALIFORNIA AIR QUALITY STUDY



PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H_2O_2
DATE: JUNE 15, 1987
JULIAN DATE: 166

BLOCK TIME (PST)	H_2O_2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H_2CO MIXING RATIO (PPBV)	COMMENTS
0.5					
1.5					
2.5					
3.5					
4.5					
5.5					
6.5					
7.5					
8.5					
9.5					
10.5	0.712	0.177	0.679		
11.5	-0.161	0.083	-0.408		
12.5	0.382	0.109	0.629		
13.5	0.289	0.091	0.592		
14.5	0.559	0.112	0.754		
15.5	0.331	0.088	0.657		
16.5	0.326	0.121	0.528		
17.5	0.090	0.059	0.333		
18.5	0.006	0.051	0.026		
19.5	-0.034	0.047	-0.163		
20.5					
21.5					CALIBRATION 20:07 TO 22:04
22.5	0.130	0.064	0.425		
23.5	0.150	0.121	0.276		

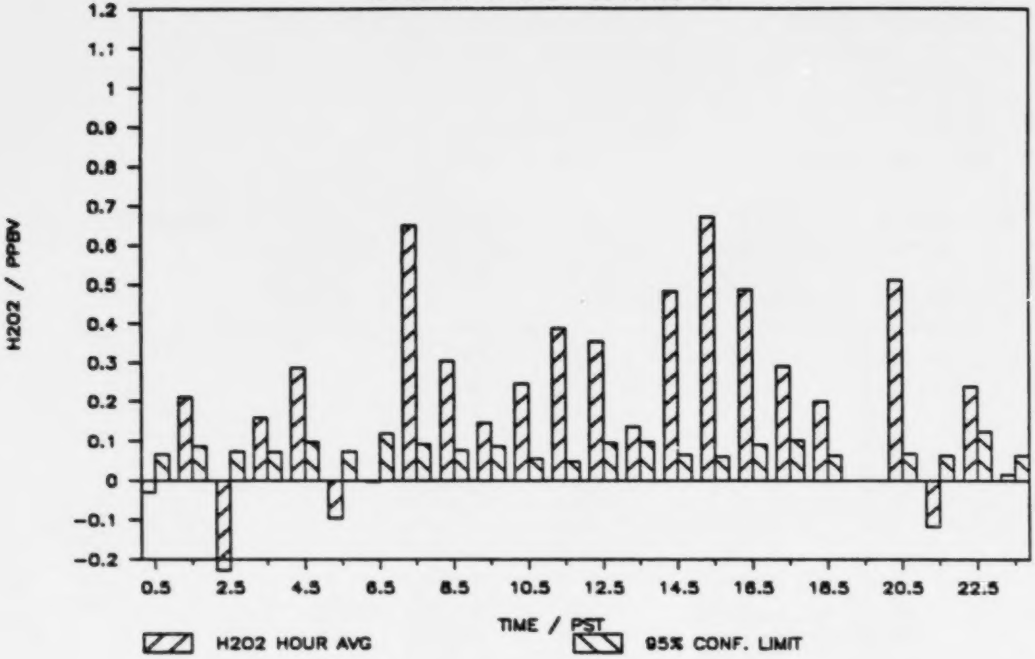

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 16, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 16, 1987
JULIAN DATE: 167

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.072	0.108	-0.151		
1.5	0.277	0.156	0.379		
2.5	-0.499	0.195	-0.507		
3.5	-0.243	0.151	-0.348		
4.5	0.431	0.112	0.663		
5.5	0.484	0.182	0.523		
6.5	0.412	0.180	0.466		CALIBRATION 06:28 TO 07:04
7.5	0.334	0.143	0.474		
8.5	0.060	0.129	0.107		
9.5	0.420	0.133	0.590		
10.5	0.342	0.062	0.767		
11.5	0.122	0.099	0.275		
12.5	0.396	0.097	0.686		
13.5	0.243	0.053	0.726		
14.5	-0.084	0.102	-0.186		
15.5	0.481	0.109	0.714		
16.5	0.449	0.075	0.808		
17.5	0.484	0.080	0.814		
18.5	0.593	0.088	0.841		
19.5	0.117	0.065	0.382		
20.5	0.518	0.121	0.702		
21.5	0.126	0.071	0.376		
22.5	0.297	0.082	0.640		
23.5	0.034	0.075	0.103		

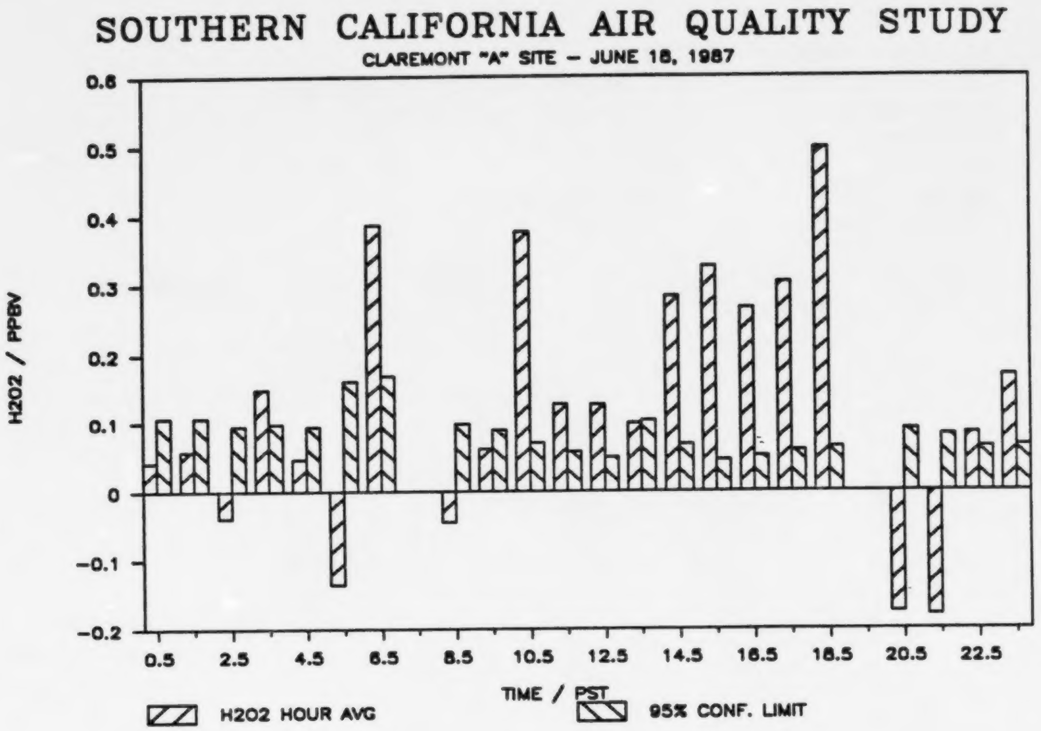
SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JUNE 17, 1987



PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 17, 1987
JULIAN DATE: 168

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.029	0.067	-0.099		
1.5	0.211	0.086	0.494		
2.5	-0.271	0.074	-0.645		
3.5	0.159	0.073	0.449		
4.5	0.286	0.097	0.560		
5.5	-0.095	0.074	-0.284		
6.5	-0.003	0.119	-0.006		CALIBRATION 06:30 TO 07:23
7.5	0.651	0.092	0.852		
8.5	0.304	0.077	0.672		
9.5	0.146	0.086	0.362		
10.5	0.245	0.055	0.719		
11.5	0.388	0.048	0.883		
12.5	0.354	0.095	0.651		
13.5	0.136	0.097	0.309		
14.5	0.483	0.066	0.861		
15.5	0.673	0.061	0.931		
16.5	0.487	0.090	0.779		
17.5	0.290	0.102	0.550		
18.5	0.199	0.064	0.583		
19.5					CALIBRATION 19:00 TO 20:04
20.5	0.512	0.068	0.867		
21.5	-0.116	0.064	-0.382		
22.5	0.237	0.125	0.402		
23.5	0.015	0.064	0.035		

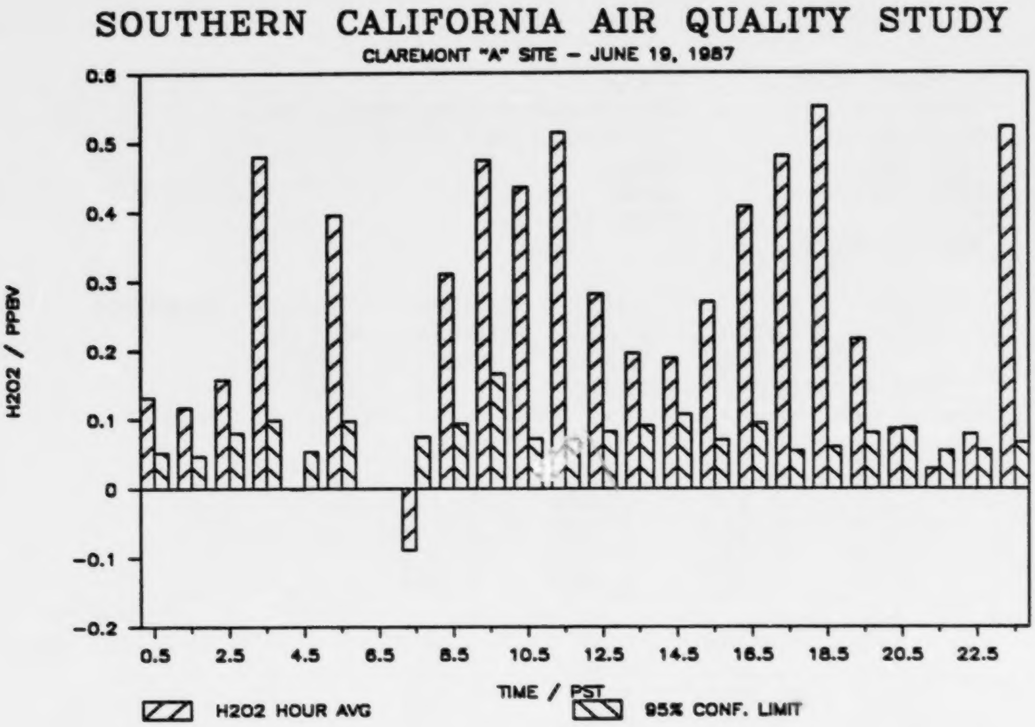


SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JUNE 18, 1987

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 18, 1987
JULIAN DATE: 169

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.042	0.107	0.091		
1.5	0.058	0.107	0.123		
2.5	-0.039	0.095	-0.093		
3.5	0.149	0.098	0.330		
4.5	0.047	0.094	0.114		
5.5	-0.135	0.161	-0.189		
6.5	0.387	0.169	0.467		
7.5					CALIBRATION
8.5	-0.044	0.098	-0.102		06:23 TO 07:48
9.5	0.061	0.089	0.156		
10.5	0.377	0.070	0.776		
11.5	0.127	0.057	0.459		
12.5	0.126	0.049	0.509		
13.5	0.099	0.103	0.217		
14.5	0.284	0.068	0.693		
15.5	0.327	0.045	0.857		
16.5	0.267	0.051	0.769		
17.5	0.304	0.059	0.767		
18.5	0.498	0.064	0.873		
19.5					CALIBRATION
20.5	-0.175	0.090	-0.409		20:10 TO 20:50
21.5	-0.180	0.082	-0.454		
22.5	0.084	0.064	0.291		
23.5	0.169	0.066	0.507		

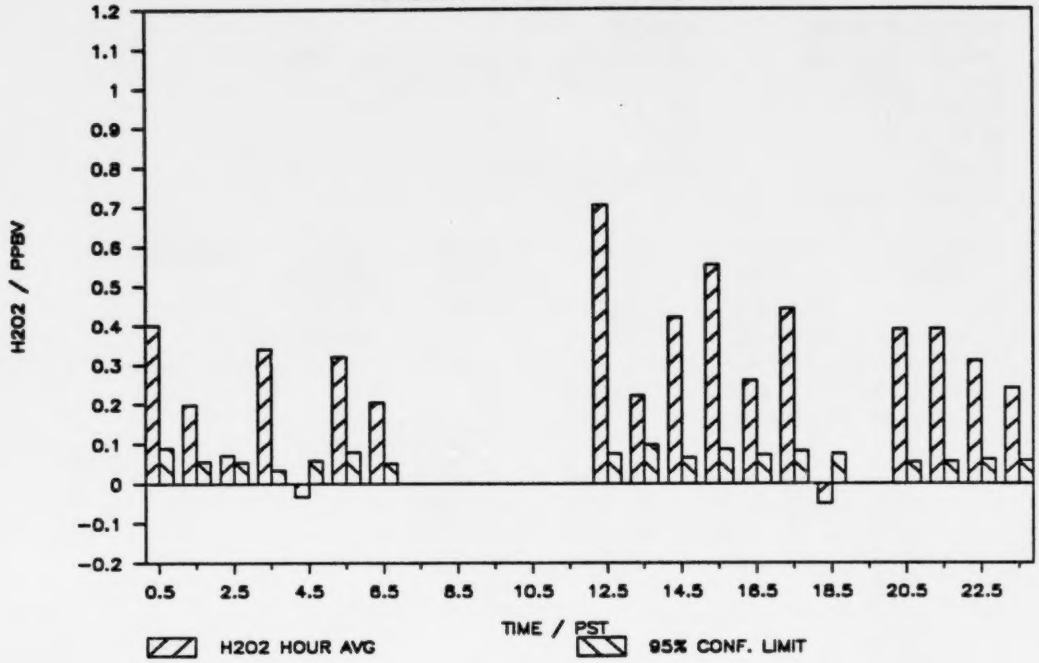

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 19, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
–0.1
–0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
▨ H2O2 HOUR AVG
▨ 95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H_2O_2
DATE: JUNE 19, 1987
JULIAN DATE: 170

BLOCK TIME (PST)	H_2O_2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H_2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.131	0.052	0.500		
1.5	0.117	0.047	0.501		
2.5	0.157	0.080	0.414		
3.5	0.480	0.099	0.744		
4.5	-0.001	0.053	-0.002		
5.5	0.395	0.097	0.684		
6.5					CALIBRATION 06:20 TO 06:50
7.5	-0.088	0.074	-0.264		
8.5	0.311	0.093	0.610		
9.5	0.474	0.165	0.551		
10.5	0.435	0.072	0.811		
11.5	0.514	0.071	0.858		
12.5	0.282	0.082	0.623		
13.5	0.195	0.091	0.443		
14.5	0.188	0.107	0.375		
15.5	0.270	0.069	0.672		
16.5	0.407	0.094	0.705		
17.5	0.480	0.054	0.900		
18.5	0.551	0.060	0.904		
19.5	0.216	0.080	0.529		
20.5	0.086	0.087	0.222		
21.5	0.028	0.054	0.119		
22.5	0.078	0.056	0.305		
23.5	0.522	0.066	0.878		

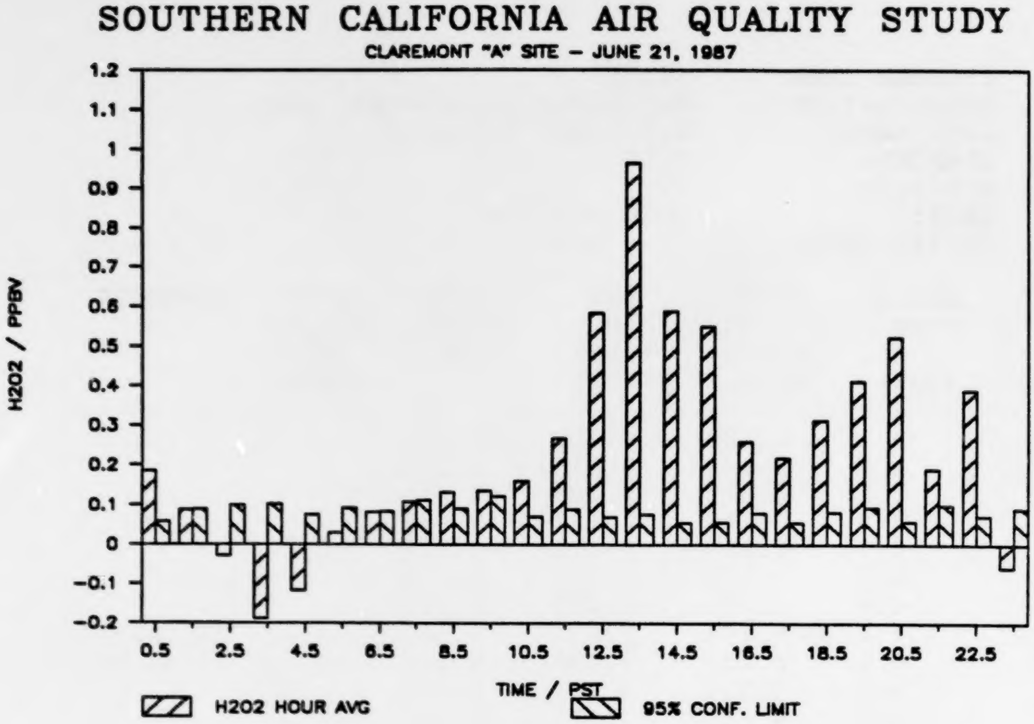
SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JUNE 20, 1987



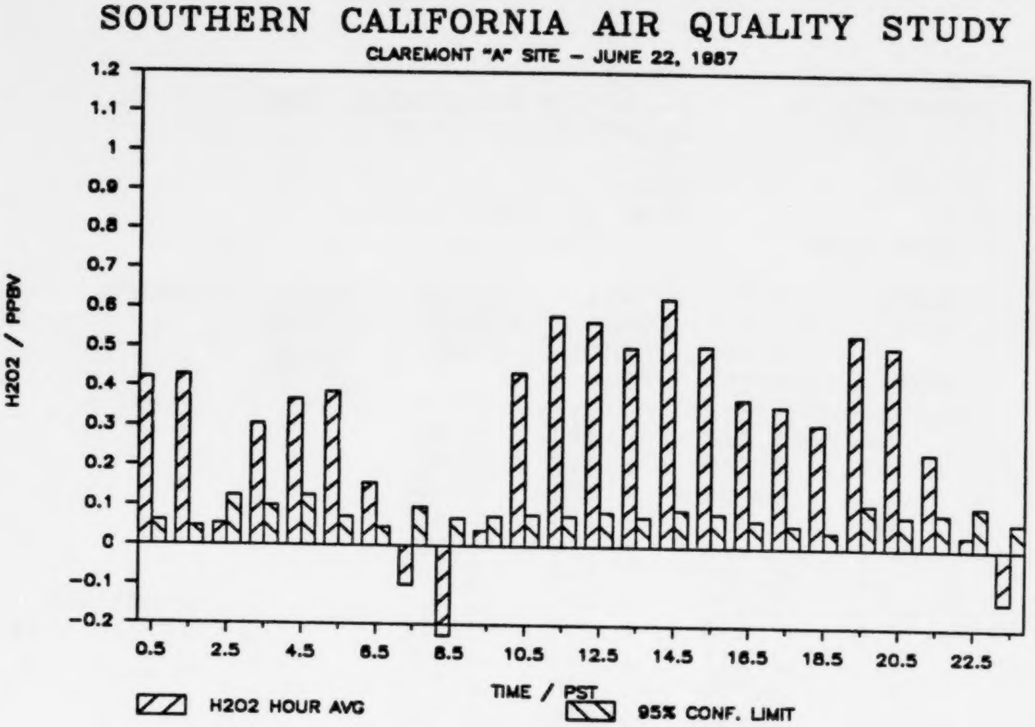
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 20, 1987
JULIAN DATE: 171

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.401	0.089	0.722		
1.5	0.198	0.056	0.630		
2.5	0.071	0.053	0.295		
3.5	0.340	0.034	0.919		
4.5	-0.033	0.059	-0.126		
5.5	0.320	0.080	0.676		
6.5	0.204	0.051	0.682		
7.5					
8.5					
9.5					
10.5					CALIBRATION TO 11:43
11.5					
12.5	0.705	0.075	0.907		
13.5	0.221	0.097	0.466		
14.5	0.420	0.065	0.830		
15.5	0.554	0.086	0.829		
16.5	0.259	0.073	0.632		
17.5	0.441	0.082	0.780		
18.5	-0.049	0.075	-0.148		
19.5					CALIBRATION 19:17 TO 19:58
20.5	0.390	0.053	0.862		
21.5	0.391	0.056	0.848		
22.5	0.310	0.061	0.762		
23.5	0.241	0.058	0.689		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 21, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
–0.1
–0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

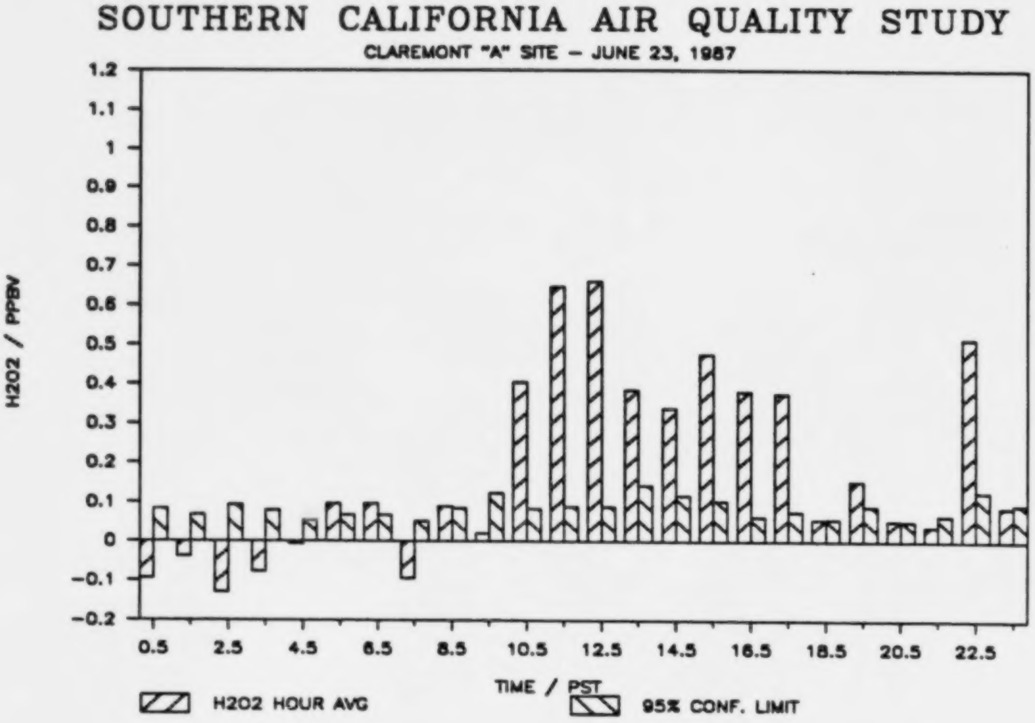
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 21, 1987
JULIAN DATE: 172

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.185	0.059	0.588		
1.5	0.088	0.089	0.221		
2.5	-0.028	0.099	-0.066		
3.5	-0.188	0.102	-0.389		
4.5	-0.117	0.075	-0.336		
5.5	0.030	0.092	0.075		
6.5	0.082	0.083	0.223		
7.5	0.108	0.112	0.217		CALIBRATION 07:40 TO 08:02
8.5	0.132	0.090	0.319		
9.5	0.136	0.122	0.249		
10.5	0.160	0.071	0.462		
11.5	0.267	0.089	0.567		
12.5	0.585	0.070	0.887		
13.5	0.965	0.076	0.947		
14.5	0.590	0.056	0.925		
15.5	0.551	0.057	0.913		
16.5	0.259	0.080	0.597		
17.5	0.218	0.056	0.669		
18.5	0.313	0.082	0.633		
19.5	0.412	0.094	0.710		
20.5	0.523	0.058	0.902		
21.5	0.190	0.099	0.404		
22.5	0.390	0.072	0.781		
23.5	-0.058	0.090	-0.146		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 22, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 22, 1987
JULIAN DATE: 173

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.422	0.060	0.851		
1.5	0.429	0.046	0.907		
2.5	0.054	0.125	0.099		
3.5	0.306	0.100	0.575		
4.5	0.369	0.126	0.561		
5.5	0.387	0.072	0.779		
6.5	0.157	0.046	0.614		CALIBRATION
7.5	-0.099	0.098	-0.226		06:51 TO 07:34
8.5	-0.221	0.069	-0.592		
9.5	0.039	0.075	0.118		
10.5	0.436	0.080	0.782		
11.5	0.581	0.076	0.869		
12.5	0.568	0.087	0.832		
13.5	0.503	0.075	0.840		
14.5	0.627	0.093	0.841		
15.5	0.507	0.085	0.809		
16.5	0.372	0.068	0.783		
17.5	0.355	0.056	0.823		
18.5	0.310	0.042	0.863		
19.5	0.537	0.111	0.746		
20.5	0.507	0.083	0.817		
21.5	0.241	0.090	0.528		
22.5	0.034	0.107	0.073		
23.5	-0.133	0.068	-0.409		

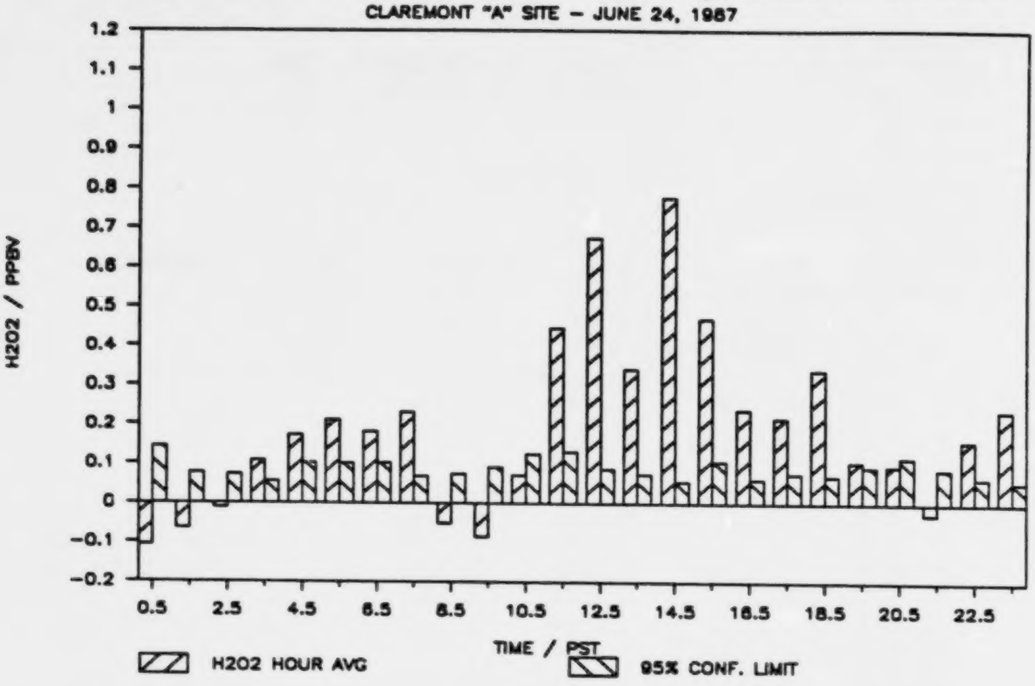

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 23, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
–0.1
–0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 23, 1987
JULIAN DATE: 174

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.094	0.084	-0.249		
1.5	-0.038	0.067	-0.130		
2.5	-0.129	0.094	-0.302		
3.5	-0.076	0.079	-0.216		
4.5	-0.007	0.054	-0.029		
5.5	0.096	0.067	0.313		
6.5	0.096	0.067	0.313		
7.5	-0.094	0.051	-0.392		CALIBRATION 06:05 TO 07:56
8.5	0.089	0.084	0.237		
9.5	0.019	0.124	0.036		
10.5	0.405	0.083	0.748		
11.5	0.649	0.090	0.858		
12.5	0.661	0.089	0.863		
13.5	0.385	0.144	0.525		
14.5	0.338	0.117	0.554		
15.5	0.477	0.103	0.729		
16.5	0.381	0.062	0.815		
17.5	0.376	0.075	0.756		
18.5	0.056	0.057	0.220		
19.5	0.153	0.089	0.367		
20.5	0.052	0.052	0.227		
21.5	0.038	0.065	0.132		
22.5	0.513	0.126	0.685		
23.5	0.086	0.094	0.206		

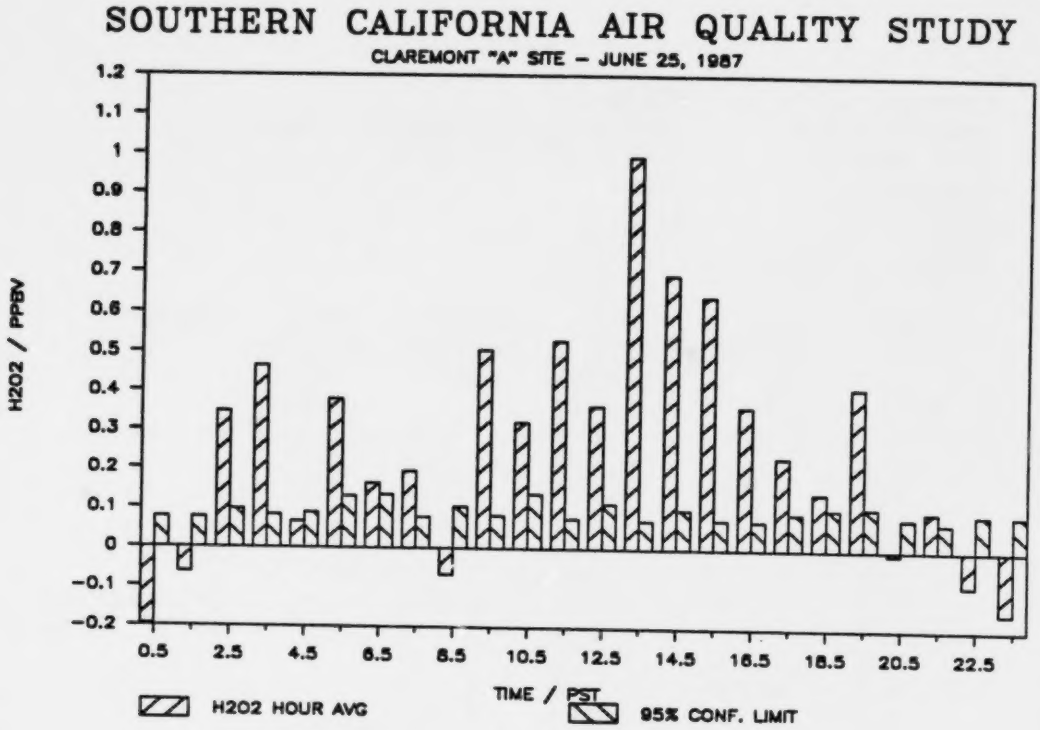
SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JUNE 24, 1987



PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 24, 1987
JULIAN DATE: 175

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.106	0.143	-0.168		
1.5	-0.063	0.077	-0.186		
2.5	-0.011	0.072	-0.035		
3.5	0.108	0.056	0.404		
4.5	0.173	0.102	0.363		
5.5	0.211	0.101	0.434		
6.5	0.181	0.102	0.380		CALIBRATION
7.5	0.230	0.068	0.616		05:47 TO 06:36
8.5	-0.051	0.074	-0.155		
9.5	-0.084	0.091	-0.208		
10.5	0.071	0.124	0.132		
11.5	0.446	0.130	0.620		
12.5	0.675	0.087	0.873		
13.5	0.341	0.074	0.728		
14.5	0.778	0.055	0.956		
15.5	0.470	0.106	0.714		
16.5	0.238	0.060	0.672		
17.5	0.216	0.075	0.556		
18.5	0.338	0.069	0.749		
19.5	0.104	0.092	0.252		
20.5	0.095	0.116	0.185		
21.5	-0.027	0.087	-0.072		
22.5	0.159	0.065	0.492		
23.5	0.236	0.056	0.693		

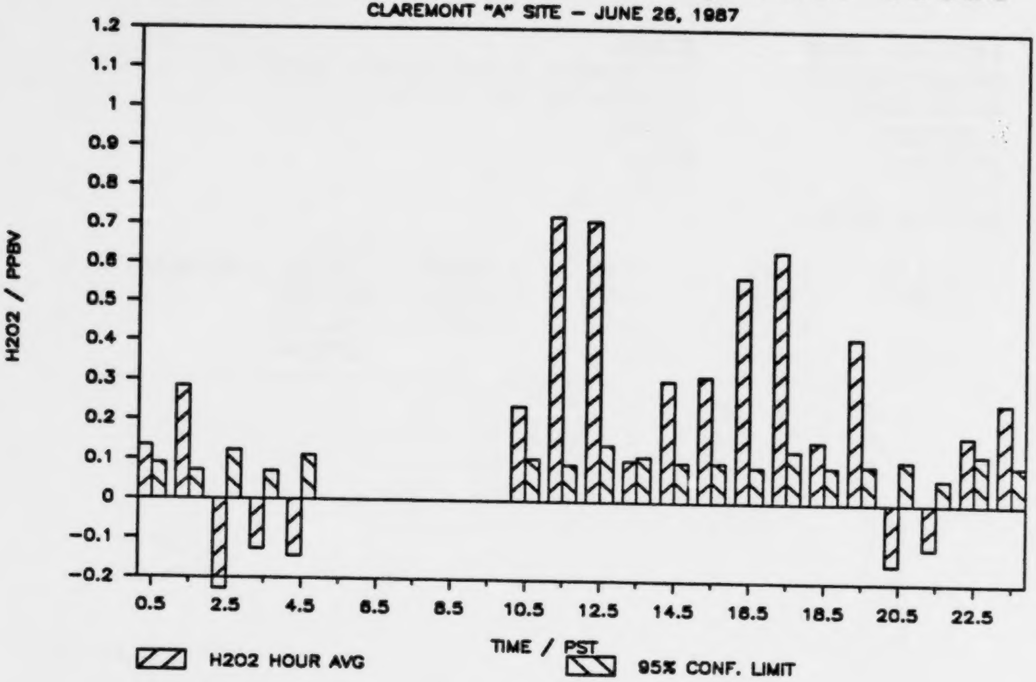

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JUNE 25, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 25, 1987
JULIAN DATE: 176

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.195	0.076	-0.509		
1.5	-0.062	0.076	-0.185		
2.5	0.348	0.097	0.636		
3.5	0.465	0.083	0.789		
4.5	0.067	0.089	0.170		
5.5	0.381	0.132	0.556		CALIBRATION 05:33 TO 06:28
6.5	0.163	0.136	0.266		
7.5	0.196	0.079	0.496		
8.5	-0.067	0.106	-0.144		
9.5	0.506	0.084	0.812		
10.5	0.323	0.139	0.471		
11.5	0.531	0.076	0.851		
12.5	0.365	0.115	0.589		
13.5	0.994	0.073	0.953		
14.5	0.697	0.101	0.847		
15.5	0.643	0.075	0.891		
16.5	0.364	0.072	0.758		
17.5	0.233	0.092	0.505		
18.5	0.144	0.103	0.308		
19.5	0.413	0.108	0.661		
20.5	-0.009	0.081	-0.024		
21.5	0.098	0.069	0.309		
22.5	-0.087	0.092	-0.213		
23.5	-0.156	0.090	-0.370		

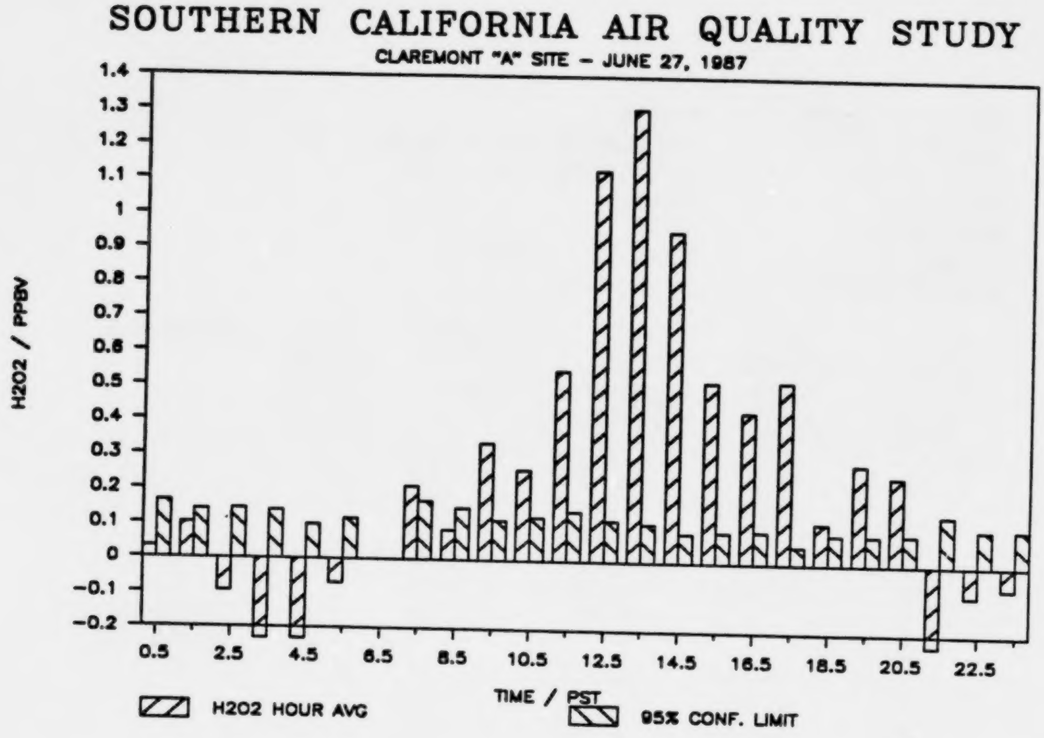
SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JUNE 26, 1987



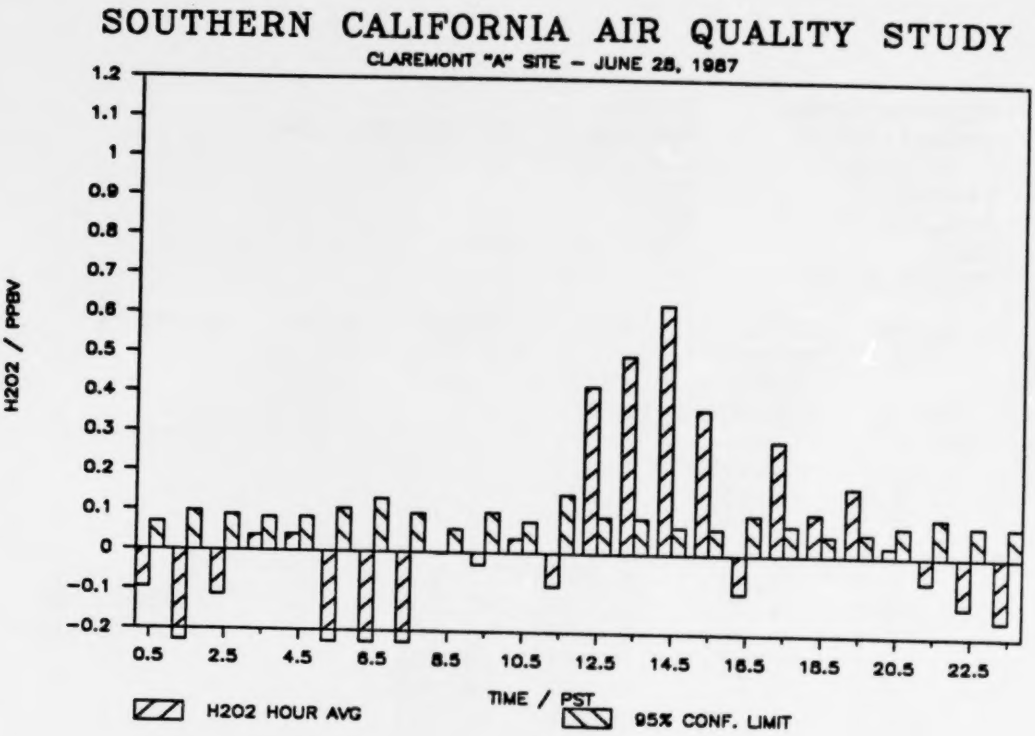
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 26, 1987
JULIAN DATE: 177

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.135	0.090	0.326		
1.5	0.284	0.073	0.667		
2.5	-0.240	0.124	-0.408		
3.5	-0.126	0.071	-0.376		
4.5	-0.143	0.112	-0.282		
5.5					SETUP FROM 05:22
6.5					
7.5					
8.5					
9.5					CALIBRATION AT 09:35
10.5	0.239	0.109	0.453		
11.5	0.723	0.093	0.873		
12.5	0.712	0.142	0.755		
13.5	0.105	0.114	0.208		
14.5	0.306	0.100	0.575		
15.5	0.318	0.100	0.593		
16.5	0.571	0.091	0.821		
17.5	0.638	0.131	0.746		
18.5	0.155	0.092	0.363		
19.5	0.416	0.095	0.708		
20.5	-0.154	0.109	-0.309		
21.5	-0.110	0.064	-0.371		
22.5	0.173	0.126	0.301		
23.5	0.256	0.099	0.512		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE - JUNE 27, 1987
H2O2 / PPBV
1.4
1.3
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
▨ H2O2 HOUR AVG
▧ 95% CONF. LIMIT

PROGRAM NAME:	SCAQS
ORGANIZATION	UNISEARCH ASSOCIATES, INC.
SITE NAME:	CLAREMONT "A" SITE
SAMPLER:	TDLAS
SPECIES:	H2O2
DATE:	JUNE 27, 1987
JULIAN DATE:	178

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.032	0.165	0.045		
1.5	0.102	0.141	0.165		
2.5	-0.094	0.143	-0.149		
3.5	-0.258	0.139	-0.394		
4.5	-0.488	0.097	-0.756		
5.5	-0.071	0.116	-0.139		
6.5					CALIBRATION 05:45 TO 07:29
7.5	0.210	0.167	0.279		
8.5	0.085	0.149	0.131		
9.5	0.337	0.113	0.565		
10.5	0.259	0.125	0.432		
11.5	0.548	0.141	0.666		
12.5	1.129	0.118	0.911		
13.5	1.307	0.110	0.939		
14.5	0.956	0.084	0.934		
15.5	0.519	0.088	0.805		
16.5	0.433	0.092	0.736		
17.5	0.522	0.051	0.919		
18.5	0.117	0.085	0.304		
19.5	0.287	0.084	0.619		
20.5	0.251	0.088	0.549		
21.5	-0.290	0.143	-0.424		
22.5	-0.086	0.105	-0.185		
23.5	-0.064	0.106	-0.138		

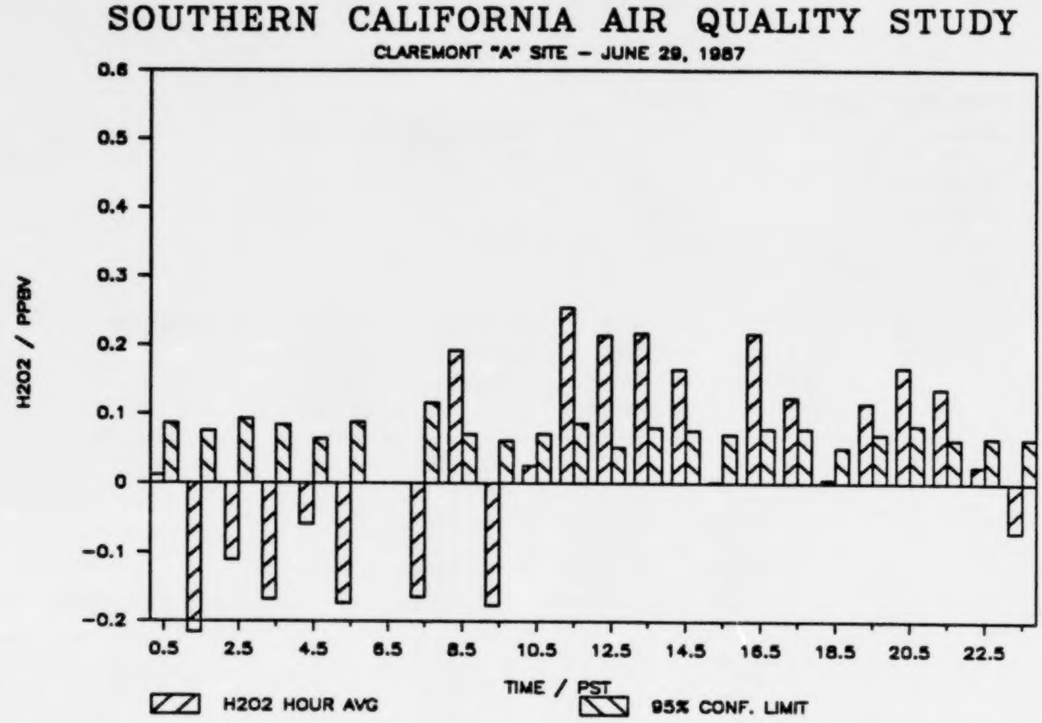


SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JUNE 28, 1987

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 28, 1987
JULIAN DATE: 179

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.095	0.069	-0.303		
1.5	-0.363	0.098	-0.651		
2.5	-0.112	0.090	-0.276		
3.5	0.038	0.083	0.105		
4.5	0.041	0.085	0.109		
5.5	-0.316	0.106	-0.564		CALIBRATION 05:51 TO 06:16
6.5	-0.209	0.132	-0.342		
7.5	-0.314	0.097	-0.600		
8.5	-0.001	0.059	-0.003		
9.5	-0.030	0.102	-0.068		
10.5	0.036	0.079	0.104		
11.5	-0.084	0.147	-0.130		
12.5	0.421	0.092	0.726		
13.5	0.500	0.089	0.792		
14.5	0.631	0.067	0.907		
15.5	0.364	0.066	0.786		
16.5	-0.097	0.100	-0.218		
17.5	0.287	0.074	0.664		
18.5	0.106	0.052	0.427		
19.5	0.173	0.057	0.570		
20.5	0.025	0.075	0.077		
21.5	-0.063	0.097	-0.147		
22.5	-0.124	0.079	-0.339		
23.5	-0.158	0.078	-0.422		



SOUTHERN CALIFORNIA AIR QUALITY STUDY

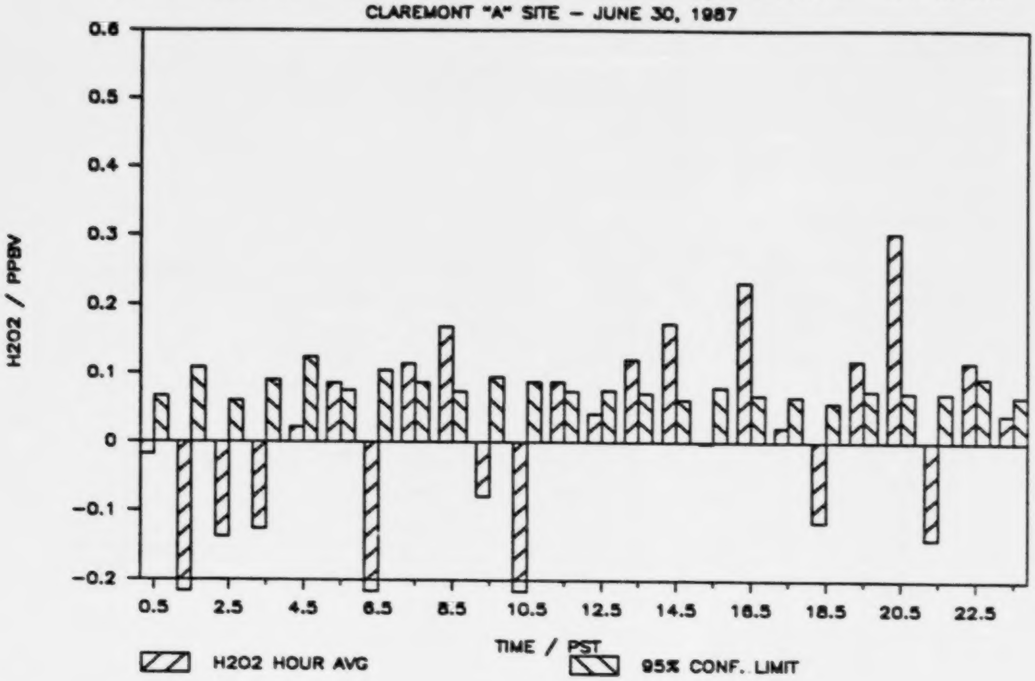
CLAREMONT "A" SITE – JUNE 29, 1987

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JUNE 29, 1987
JULIAN DATE: 180

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.011	0.087	0.030		
1.5	-0.258	0.076	-0.618		
2.5	-0.110	0.093	-0.264		
3.5	-0.167	0.084	-0.417		
4.5	-0.058	0.064	-0.205		
5.5	-0.174	0.088	-0.414		
6.5					CALIBRATION 05:47 TO 07:02
7.5	-0.164	0.116	-0.308		
8.5	0.192	0.070	0.533		
9.5	-0.177	0.061	-0.555		
10.5	0.025	0.071	0.080		
11.5	0.254	0.087	0.560		
12.5	0.214	0.052	0.689		
13.5	0.217	0.080	0.529		
14.5	0.165	0.076	0.446		
15.5	0.001	0.070	0.004		
16.5	0.217	0.079	0.535		
17.5	0.124	0.079	0.341		
18.5	0.005	0.051	0.022		
19.5	0.115	0.070	0.353		
20.5	0.167	0.083	0.420		
21.5	0.137	0.063	0.445		
22.5	0.024	0.066	0.084		
23.5	-0.070	0.065	-0.241		

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JUNE 30, 1987



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PROGRAM NAME:       SCAQS
ORGANIZATION        UNISEARCH ASSOCIATES, INC.
SITE NAME:          CLAREMONT "A" SITE
SAMPLER:            TDLAS
SPECIES:            H2O2
DATE:               JUNE 30, 1987
JULIAN DATE:             181

  BLOCK     H2O2       95%      LINEAR     H2CO    COMMENTS
  TIME     MIXING     CONF.    CORREL.   MIXING
            RATIO     LIMIT     COEF.     RATIO
  (PST)    (PPBV)    (PPBV)              (PPBV)
-----------------------------------------------------
     0.5   -0.018     0.066    -0.061
     1.5   -0.251     0.108    -0.470
     2.5   -0.138     0.060    -0.469
     3.5   -0.126     0.090    -0.308
     4.5    0.021     0.123     0.040
     5.5    0.086     0.076     0.253            CALIBRATION
     6.5   -0.224     0.104    -0.444            05:34 TO 06:31
     7.5    0.114     0.086     0.291
     8.5    0.168     0.073     0.468
     9.5   -0.079     0.094    -0.189
    10.5   -0.230     0.087    -0.518
    11.5    0.088     0.073     0.265
    12.5    0.041     0.075     0.126
    13.5    0.120     0.071     0.364
    14.5    0.173     0.062     0.543
    15.5   -0.001     0.079    -0.003
    16.5    0.232     0.068     0.619
    17.5    0.021     0.065     0.075
    18.5   -0.116     0.057    -0.425
    19.5    0.118     0.074     0.344
    20.5    0.303     0.072     0.696
    21.5   -0.140     0.072    -0.412
    22.5    0.117     0.094     0.275
    23.5    0.040     0.067     0.137
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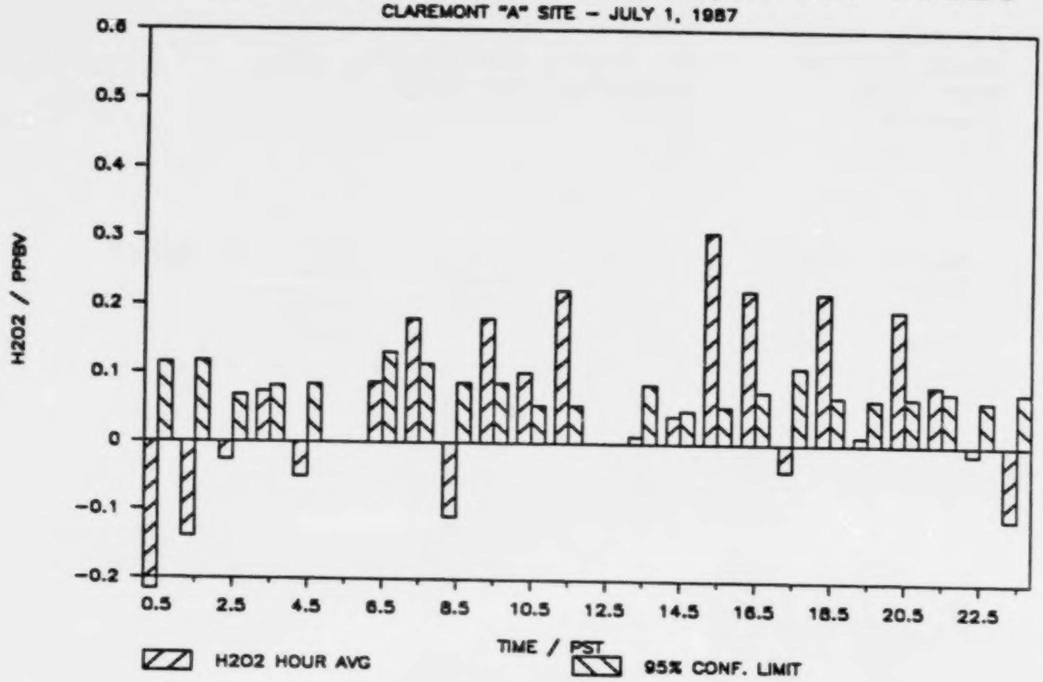
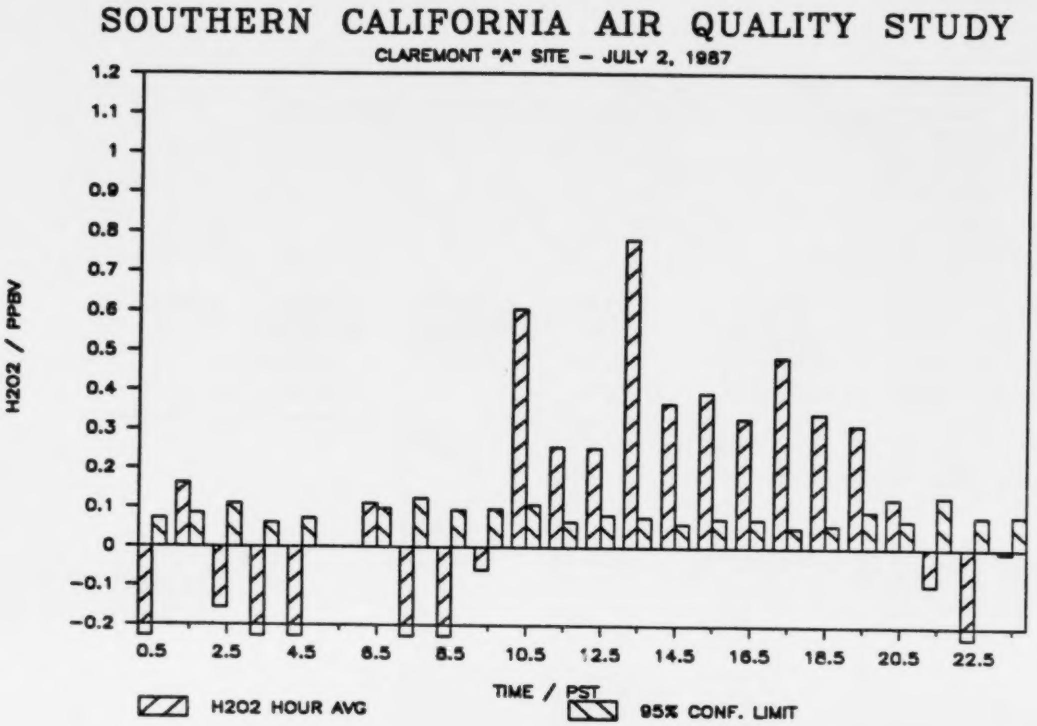


SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 1, 1987

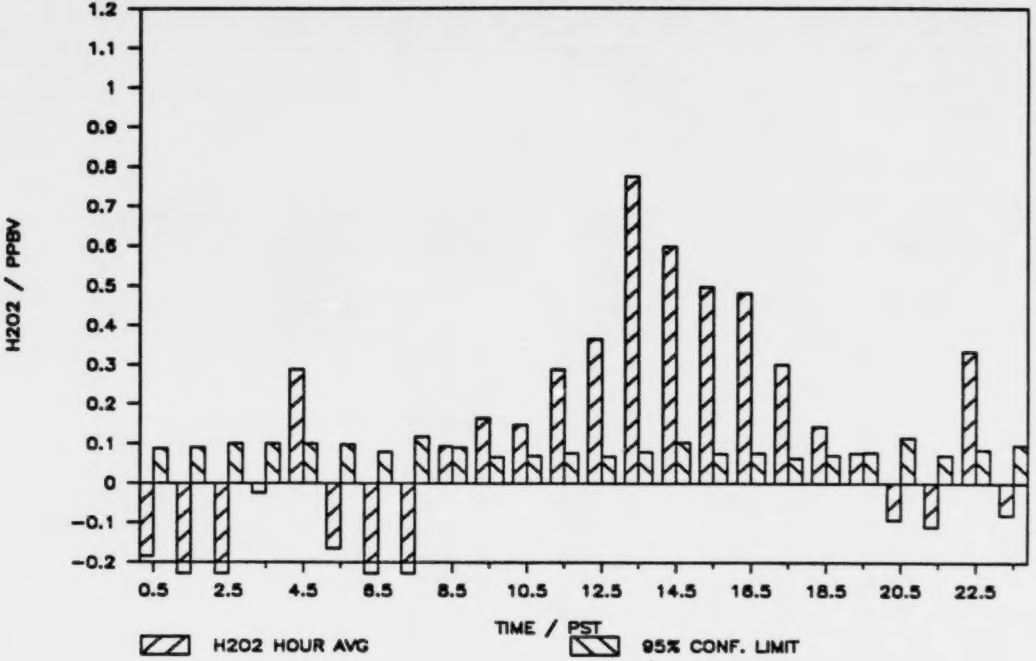
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 1, 1987
JULIAN DATE: 182

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.322	0.115	-0.543		
1.5	-0.138	0.117	-0.262		
2.5	-0.026	0.068	-0.088		
3.5	0.073	0.082	0.203		
4.5	-0.050	0.085	-0.135		
5.5					CALIBRATION
6.5	0.088	0.131	0.153		05:24 TO 06:37
7.5	0.179	0.114	0.341		
8.5	-0.109	0.086	-0.279		
9.5	0.180	0.086	0.433		
10.5	0.102	0.055	0.394		
11.5	0.223	0.055	0.681		
12.5	0.382	0.109	0.629		
13.5	0.010	0.085	0.027		
14.5	0.040	0.048	0.188		
15.5	0.308	0.054	0.796		
16.5	0.223	0.076	0.558		
17.5	-0.039	0.112	-0.080		
18.5	0.220	0.069	0.592		
19.5	0.013	0.065	0.044		
20.5	0.196	0.069	0.549		
21.5	0.086	0.077	0.249		
22.5	-0.012	0.065	-0.042		
23.5	-0.107	0.078	-0.302		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 2, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 2, 1987
JULIAN DATE: 183

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.290	0.072	-0.681		
1.5	0.161	0.085	0.398		
2.5	-0.156	0.109	-0.314		
3.5	-0.219	0.061	-0.635		
4.5	-0.247	0.072	-0.620		
5.5					CALIBRATION
6.5	0.111	0.098	0.252		05:36 TO 06:30
7.5	-0.264	0.123	-0.443		
8.5	-0.242	0.093	-0.513		
9.5	-0.059	0.096	-0.140		
10.5	0.606	0.107	0.795		
11.5	0.256	0.065	0.671		
12.5	0.253	0.082	0.579		
13.5	0.781	0.077	0.920		
14.5	0.368	0.061	0.812		
15.5	0.395	0.073	0.778		
16.5	0.330	0.073	0.722		
17.5	0.486	0.051	0.909		
18.5	0.342	0.058	0.805		
19.5	0.313	0.093	0.614		
20.5	0.125	0.071	0.379		
21.5	-0.093	0.131	-0.161		
22.5	-0.250	0.082	-0.576		
23.5	-0.009	0.085	-0.025		



SOUTHERN CALIFORNIA AIR QUALITY STUDY

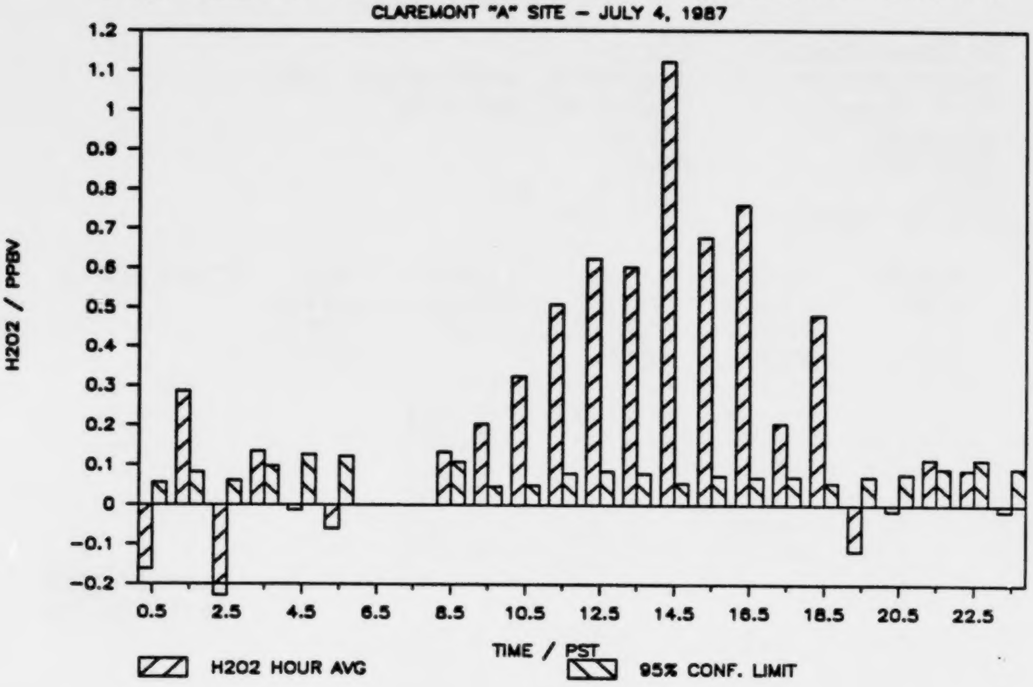
CLAREMONT "A" SITE – JULY 3, 1987

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 3, 1987
JULIAN DATE: 184

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.185	0.088	-0.436		
1.5	-0.235	0.090	-0.514		
2.5	-0.334	0.101	-0.608		
3.5	-0.025	0.100	-0.058		
4.5	0.287	0.101	0.548		
5.5	-0.164	0.098	-0.362		CALIBRATE
6.5	-0.307	0.080	-0.663		05:28 TO 06:28
7.5	-0.259	0.118	-0.453		
8.5	0.094	0.091	0.232		
9.5	0.165	0.067	0.493		
10.5	0.147	0.070	0.436		
11.5	0.287	0.077	0.653		
12.5	0.365	0.068	0.777		
13.5	0.776	0.080	0.913		
14.5	0.599	0.104	0.799		
15.5	0.498	0.075	0.838		
16.5	0.481	0.076	0.825		
17.5	0.300	0.064	0.731		
18.5	0.142	0.071	0.420		
19.5	0.076	0.078	0.219		
20.5	-0.092	0.114	-0.182		
21.5	-0.109	0.072	-0.332		
22.5	0.334	0.084	0.673		
23.5	-0.079	0.095	-0.187		

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 4, 1987

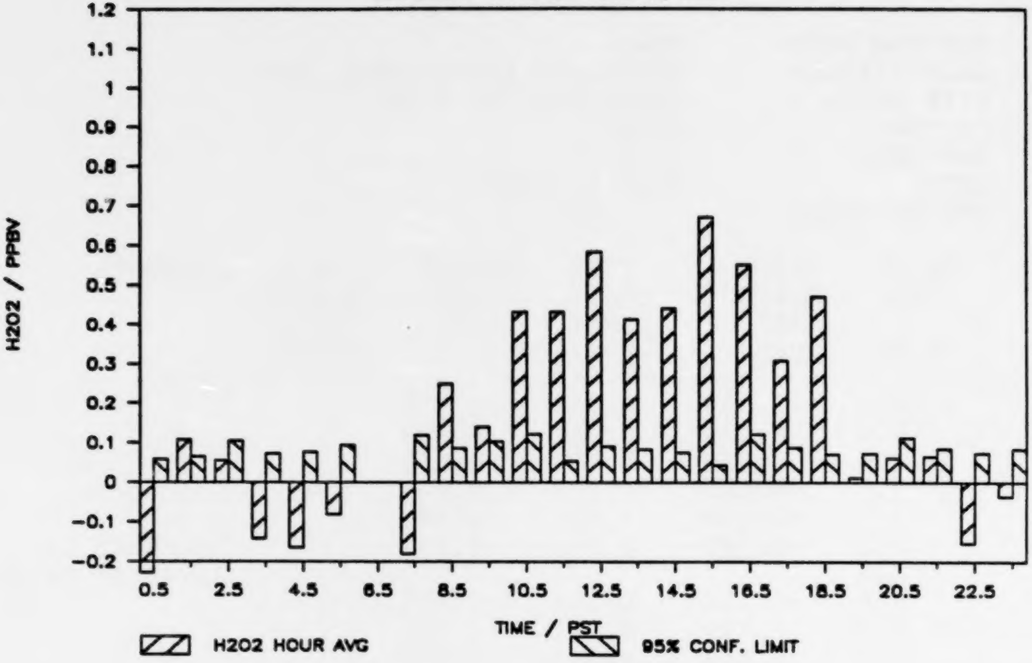


PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 4, 1987
JULIAN DATE: 185

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.161	0.055	-0.559		
1.5	0.286	0.082	0.629		
2.5	-0.360	0.061	-0.803		
3.5	0.134	0.098	0.301		
4.5	-0.013	0.126	-0.023		
5.5	-0.060	0.122	-0.113		
6.5					CALIBRATION
7.5					06:01 TO 08:03
8.5	0.133	0.108	0.272		
9.5	0.204	0.047	0.706		
10.5	0.325	0.049	0.835		
11.5	0.509	0.079	0.828		
12.5	0.624	0.085	0.861		
13.5	0.604	0.079	0.870		
14.5	1.121	0.055	0.978		
15.5	0.678	0.074	0.904		
16.5	0.760	0.070	0.929		
17.5	0.205	0.070	0.558		
18.5	0.481	0.055	0.895		
19.5	-0.115	0.071	-0.352		
20.5	-0.013	0.078	-0.039		
21.5	0.115	0.092	0.276		
22.5	0.090	0.115	0.177		
23.5	-0.014	0.094	-0.035		

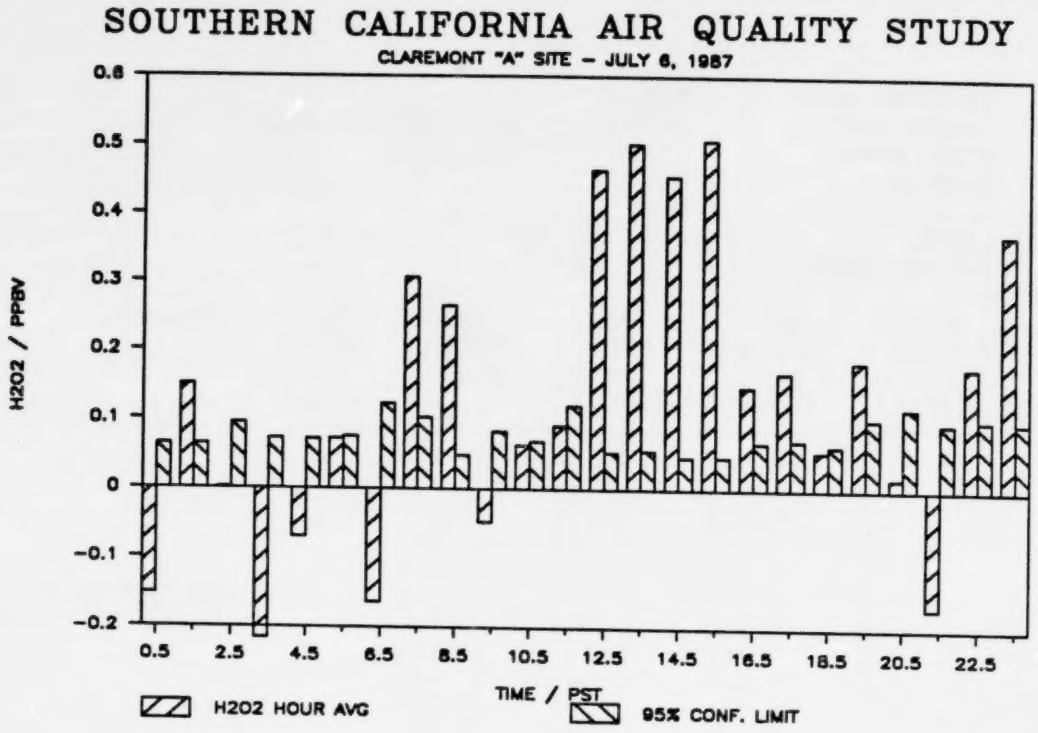
SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 5, 1987



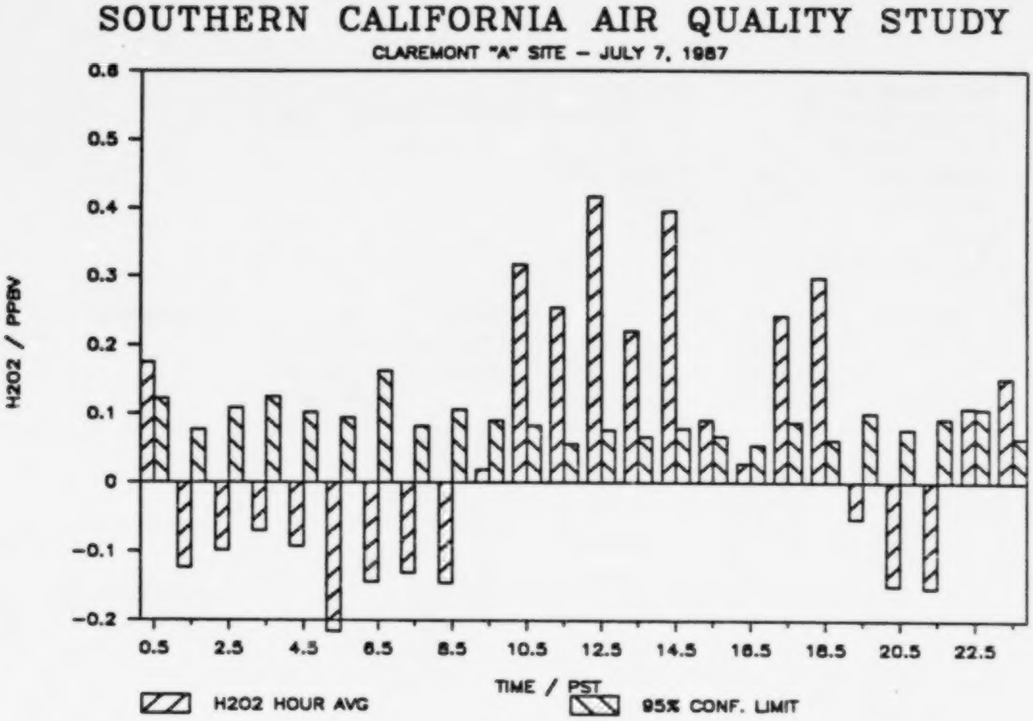
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 5, 1987
JULIAN DATE: 186

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.230	0.058	-0.675		
1.5	0.108	0.066	0.353		
2.5	0.055	0.104	0.121		
3.5	-0.142	0.073	-0.408		
4.5	-0.164	0.077	-0.443		
5.5	-0.081	0.094	-0.195		CALIBRATION 05:46 TO 06:56
6.5					
7.5	-0.180	0.119	-0.329		
8.5	0.249	0.087	0.550		
9.5	0.140	0.103	0.299		
10.5	0.432	0.121	0.635		
11.5	0.432	0.054	0.879		
12.5	0.584	0.091	0.830		
13.5	0.414	0.084	0.749		
14.5	0.440	0.075	0.806		
15.5	0.673	0.044	0.963		
16.5	0.552	0.122	0.723		
17.5	0.309	0.088	0.629		
18.5	0.470	0.070	0.839		
19.5	0.012	0.072	0.037		
20.5	0.061	0.111	0.127		
21.5	0.066	0.084	0.176		
22.5	-0.153	0.074	-0.433		
23.5	-0.035	0.084	-0.094		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE - JULY 6, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 6, 1987
JULIAN DATE: 187

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.152	0.064	-0.476		
1.5	0.150	0.064	0.474		
2.5	0.002	0.094	0.004		
3.5	-0.226	0.073	-0.583		
4.5	-0.069	0.071	-0.219		
5.5	0.072	0.075	0.216		CALIBRATION
6.5	-0.163	0.123	-0.292		05:53 TO 06:34
7.5	0.307	0.103	0.568		
8.5	0.265	0.049	0.782		
9.5	-0.048	0.083	-0.132		
10.5	0.063	0.069	0.207		
11.5	0.091	0.120	0.172		
12.5	0.464	0.054	0.894		
13.5	0.502	0.056	0.901		
14.5	0.455	0.047	0.914		
15.5	0.507	0.047	0.927		
16.5	0.149	0.068	0.449		
17.5	0.169	0.071	0.480		
18.5	0.055	0.063	0.198		
19.5	0.185	0.102	0.386		
20.5	0.017	0.118	0.033		
21.5	-0.169	0.096	-0.375		
22.5	0.179	0.102	0.375		
23.5	0.372	0.098	0.658		

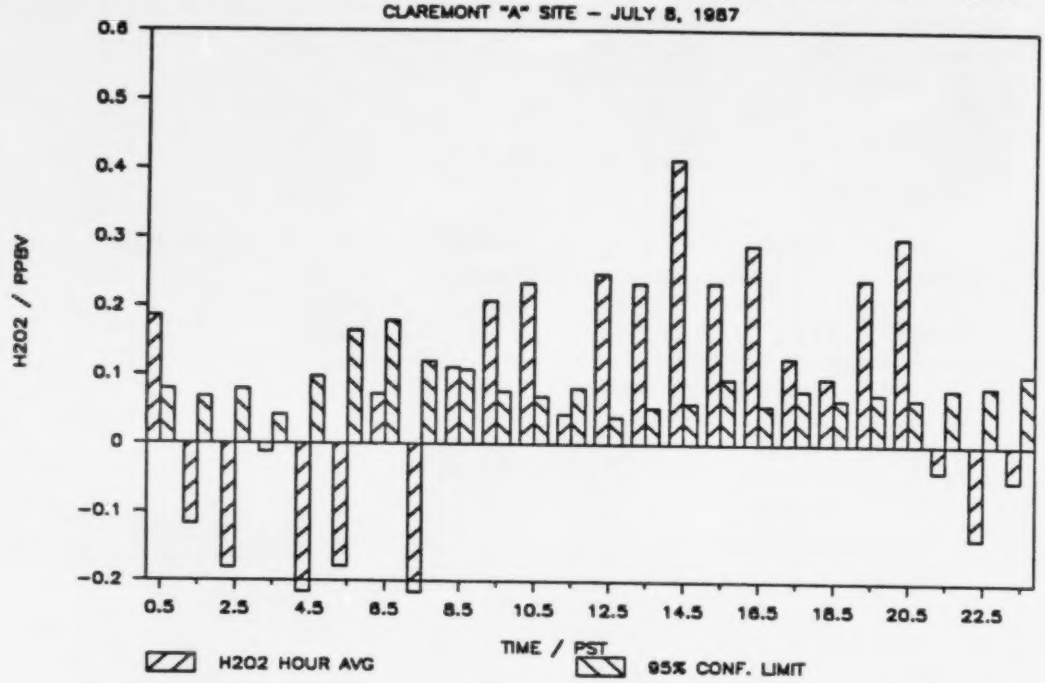


SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 7, 1987

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 7, 1987
JULIAN DATE: 188

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.175	0.122	0.315		
1.5	-0.122	0.077	-0.345		
2.5	-0.097	0.109	-0.202		
3.5	-0.069	0.124	-0.127		
4.5	-0.093	0.102	-0.204		
5.5	-0.715	0.094	-0.869		CALIBRATION 05:34 TO 06:35
6.5	-0.143	0.163	-0.198		
7.5	-0.130	0.082	-0.344		
8.5	-0.145	0.106	-0.301		
9.5	0.019	0.090	0.048		
10.5	0.317	0.083	0.663		
11.5	0.255	0.056	0.723		
12.5	0.417	0.076	0.782		
13.5	0.221	0.066	0.608		
14.5	0.396	0.078	0.759		
15.5	0.090	0.067	0.295		
16.5	0.027	0.054	0.115		
17.5	0.242	0.087	0.541		
18.5	0.298	0.061	0.748		
19.5	-0.052	0.101	-0.118		
20.5	-0.149	0.077	-0.410		
21.5	-0.153	0.092	-0.356		
22.5	0.108	0.107	0.227		
23.5	0.152	0.065	0.476		

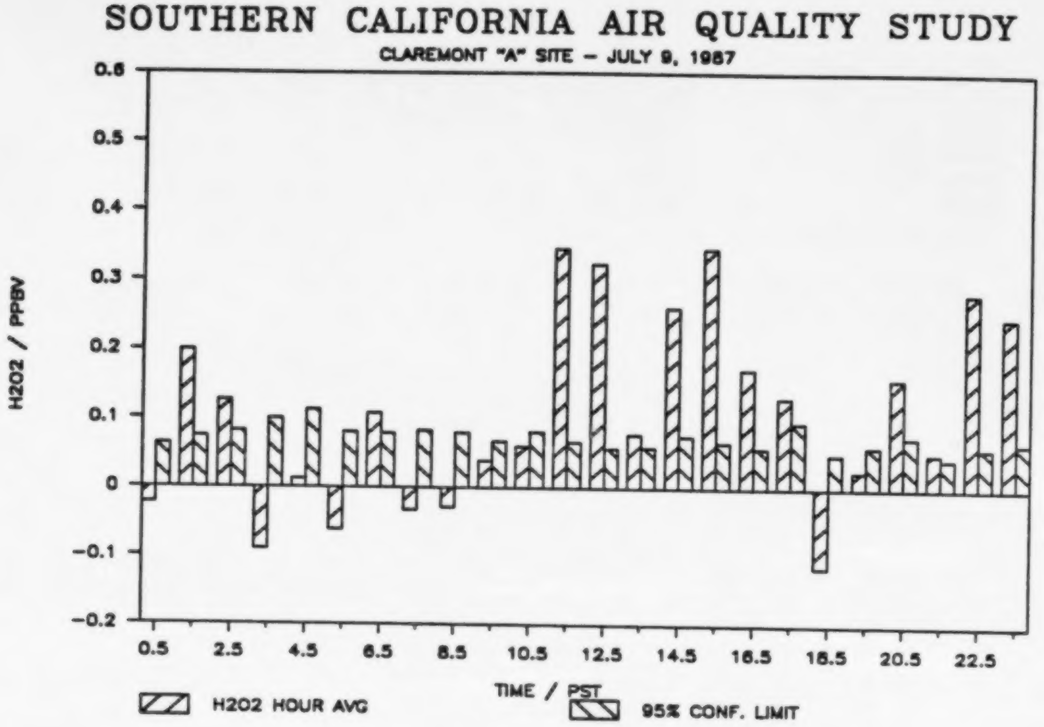


SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 8, 1987

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 8, 1987
JULIAN DATE: 189

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.186	0.079	0.478		
1.5	-0.117	0.068	-0.370		
2.5	-0.181	0.080	-0.465		
3.5	-0.013	0.042	-0.069		
4.5	-0.205	0.097	-0.437		
5.5	-0.178	0.165	-0.241		
6.5	0.073	0.179	0.093		CALIBRATION 05:28 TO 06:04
7.5	-0.233	0.121	-0.405		
8.5	0.112	0.109	0.231		
9.5	0.208	0.077	0.531		
10.5	0.235	0.069	0.616		
11.5	0.044	0.082	0.123		
12.5	0.248	0.040	0.823		
13.5	0.235	0.054	0.710		
14.5	0.413	0.060	0.847		
15.5	0.236	0.095	0.494		
16.5	0.291	0.056	0.765		
17.5	0.126	0.079	0.344		
18.5	0.097	0.066	0.323		
19.5	0.241	0.075	0.597		
20.5	0.302	0.067	0.720		
21.5	-0.037	0.082	-0.104		
22.5	-0.135	0.086	-0.339		
23.5	-0.050	0.104	-0.111		

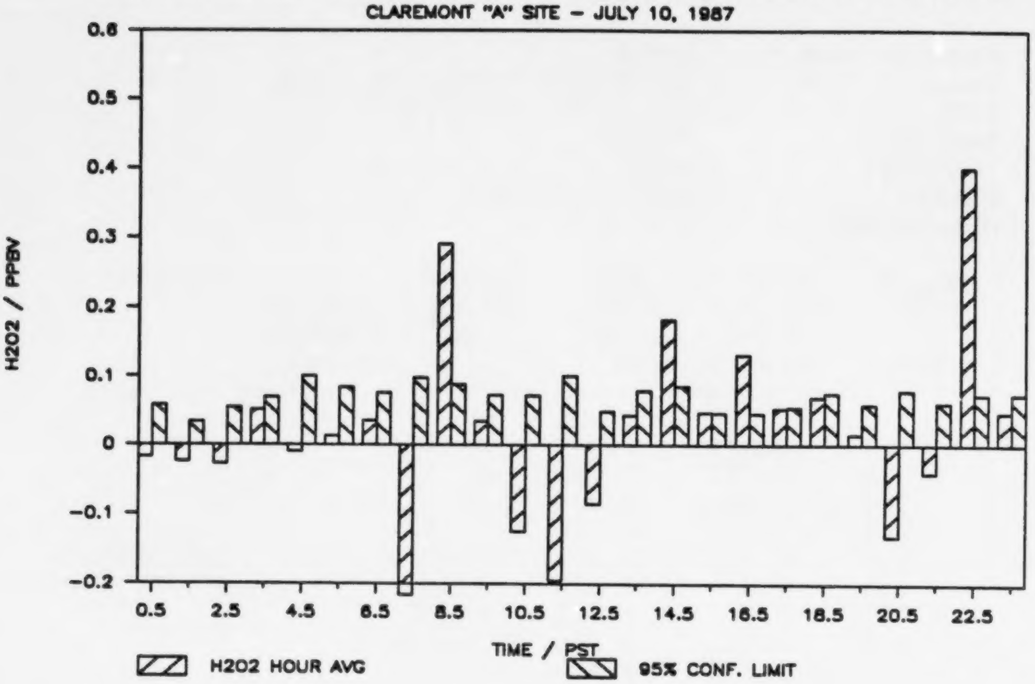

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 9, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 9, 1987
JULIAN DATE: 190

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.023	0.063	-0.084		
1.5	0.199	0.073	0.530		
2.5	0.126	0.081	0.337		
3.5	-0.090	0.100	-0.203		
4.5	0.013	0.113	0.026		
5.5	-0.061	0.080	-0.174		CALIBRATION 05:35 TO 06:28
6.5	0.108	0.079	0.302		
7.5	-0.033	0.082	-0.091		
8.5	-0.028	0.079	-0.083		
9.5	0.039	0.067	0.134		
10.5	0.060	0.081	0.167		
11.5	0.347	0.066	0.770		
12.5	0.325	0.057	0.793		
13.5	0.077	0.059	0.290		
14.5	0.261	0.075	0.623		
15.5	0.347	0.066	0.769		
16.5	0.172	0.058	0.565		
17.5	0.131	0.096	0.301		
18.5	-0.175	0.049	-0.476		
19.5	0.025	0.061	0.094		
20.5	0.158	0.074	0.442		
21.5	0.051	0.044	0.261		
22.5	0.283	0.060	0.738		
23.5	0.248	0.067	0.651		

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 10, 1987

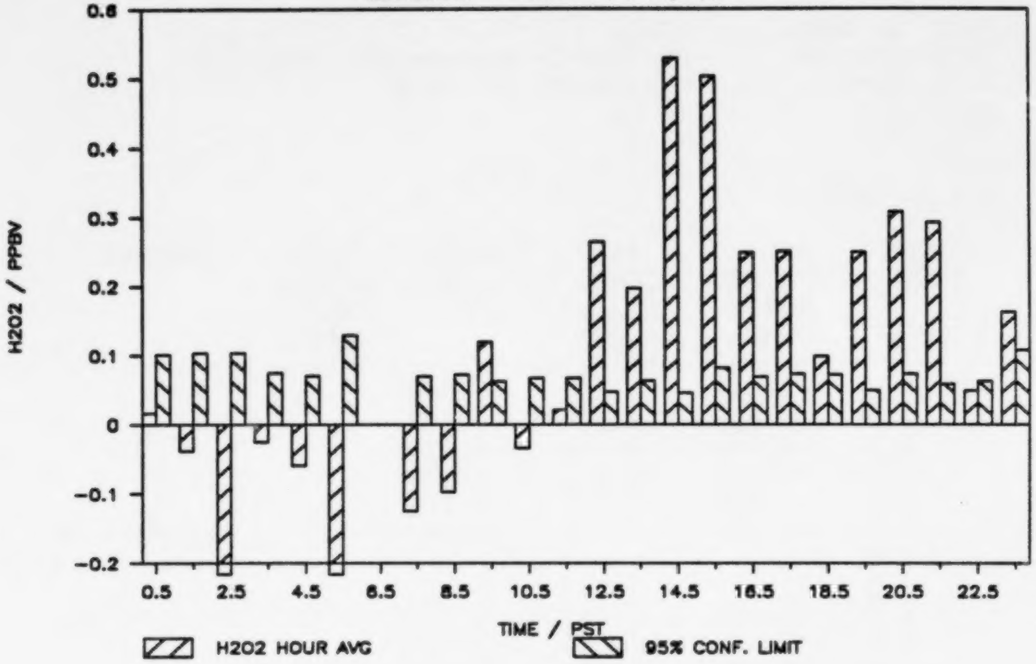


PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 10, 1987
JULIAN DATE: 191

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.018	0.058	-0.069		
1.5	-0.024	0.034	-0.158		
2.5	-0.027	0.055	-0.114		
3.5	0.052	0.069	0.171		
4.5	-0.010	0.101	-0.022		
5.5	0.013	0.084	0.035		CALIBRATION 05:34 TO 06:16
6.5	0.036	0.076	0.107		
7.5	-0.217	0.098	-0.455		
8.5	0.291	0.088	0.604		
9.5	0.035	0.073	0.110		
10.5	-0.125	0.072	-0.370		
11.5	-0.195	0.101	-0.407		
12.5	-0.085	0.050	-0.367		
13.5	0.044	0.080	0.126		
14.5	0.183	0.086	0.440		
15.5	0.048	0.047	0.230		
16.5	0.131	0.046	0.545		
17.5	0.053	0.055	0.218		
18.5	0.070	0.075	0.209		
19.5	0.015	0.059	0.059		
20.5	-0.131	0.080	-0.354		
21.5	-0.040	0.061	-0.149		
22.5	0.402	0.073	0.783		
23.5	0.048	0.075	0.147		

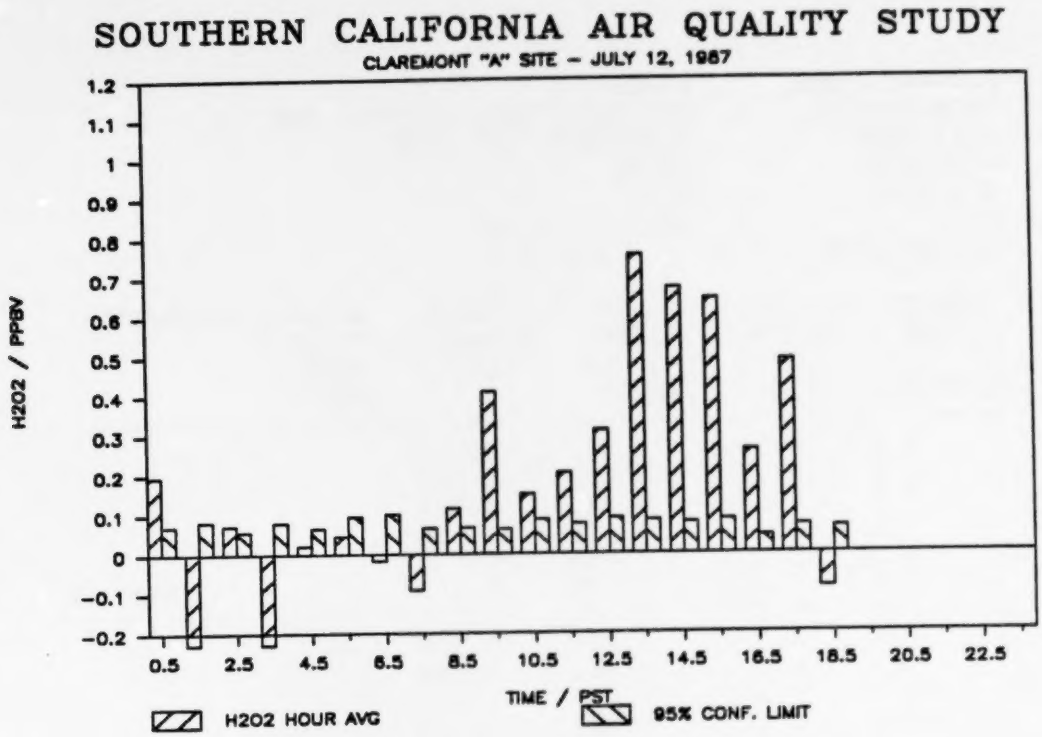
SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 11, 1987



PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 11, 1987
JULIAN DATE: 192

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.016	0.101	0.036		
1.5	-0.038	0.104	-0.083		
2.5	-0.245	0.104	-0.479		
3.5	-0.025	0.074	-0.078		
4.5	-0.059	0.070	-0.190		
5.5	-0.297	0.130	-0.467		CALIBRATION
6.5					05:30 TO 06:53
7.5	-0.125	0.069	-0.383		
8.5	-0.097	0.072	-0.297		
9.5	0.120	0.062	0.407		
10.5	-0.034	0.067	-0.115		
11.5	0.021	0.068	0.072		
12.5	0.265	0.047	0.795		
13.5	0.198	0.063	0.586		
14.5	0.530	0.045	0.938		
15.5	0.504	0.082	0.818		
16.5	0.249	0.069	0.640		
17.5	0.251	0.073	0.622		
16.5	0.098	0.072	0.300		
19.5	0.250	0.050	0.758		
20.5	0.308	0.073	0.698		
21.5	0.293	0.058	0.757		
22.5	0.048	0.062	0.177		
23.5	0.162	0.107	0.329		

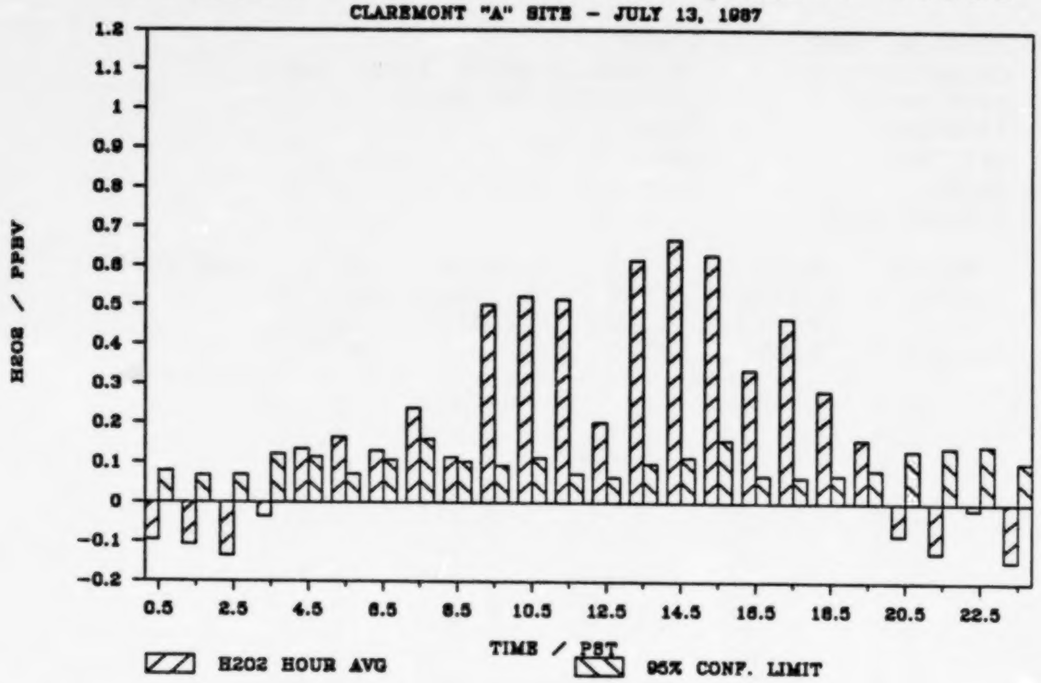

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 12, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

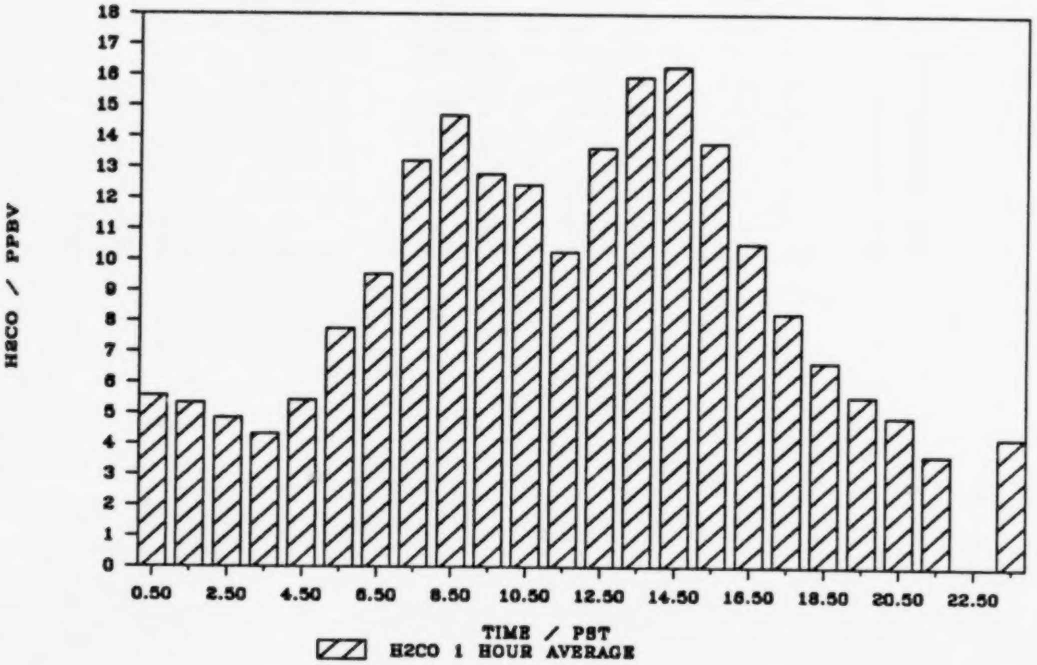
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 12, 1987
JULIAN DATE: 193

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.194	0.071	0.535		
1.5	-0.269	0.082	-0.603		
2.5	0.073	0.056	0.288		
3.5	-0.279	0.079	-0.630		
4.5	0.021	0.066	0.074		
5.5	0.045	0.095	0.109		
6.5	-0.017	0.101	-0.039		CALIBRATION 05:45 TO 06:24
7.5	-0.091	0.065	-0.305		
8.5	0.114	0.066	0.368		
9.5	0.410	0.062	0.835		
10.5	0.149	0.086	0.370		
11.5	0.204	0.075	0.533		
12.5	0.310	0.089	0.625		
13.5	0.754	0.084	0.900		
14.5	0.671	0.079	0.892		
15.5	0.643	0.085	0.867		
16.5	0.259	0.044	0.802		
17.5	0.487	0.070	0.848		
18.5	-0.086	0.065	-0.291		
19.5					
20.5					SETUP FOR H2CO AT 19:52
21.5					
22.5					
23.5					CALIBRATION AT 22:20

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 13, 1987



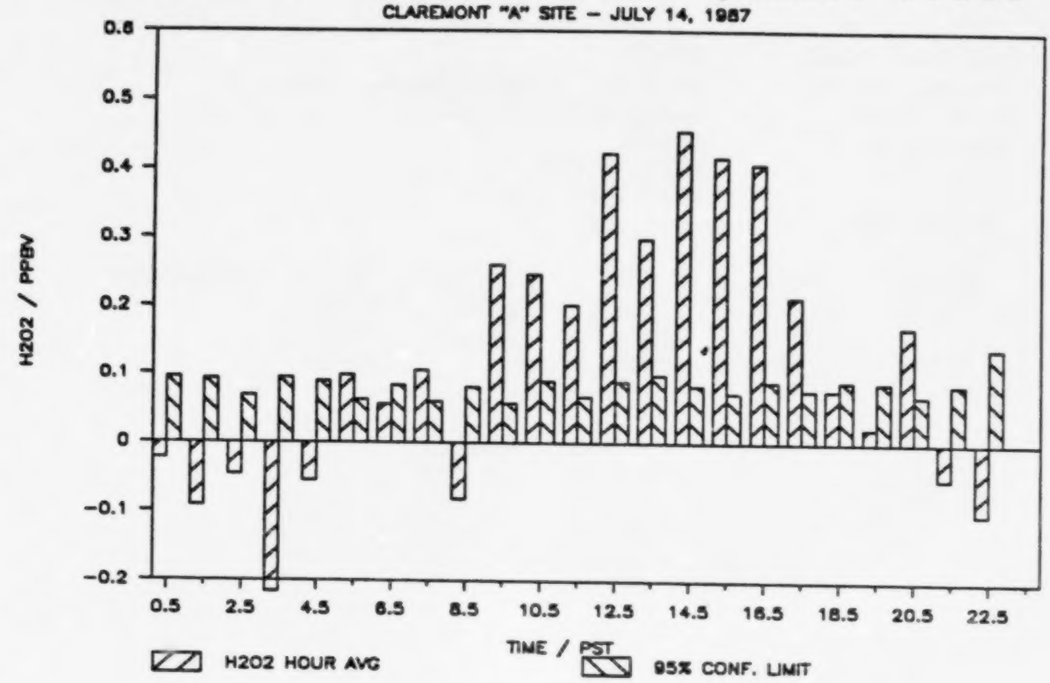


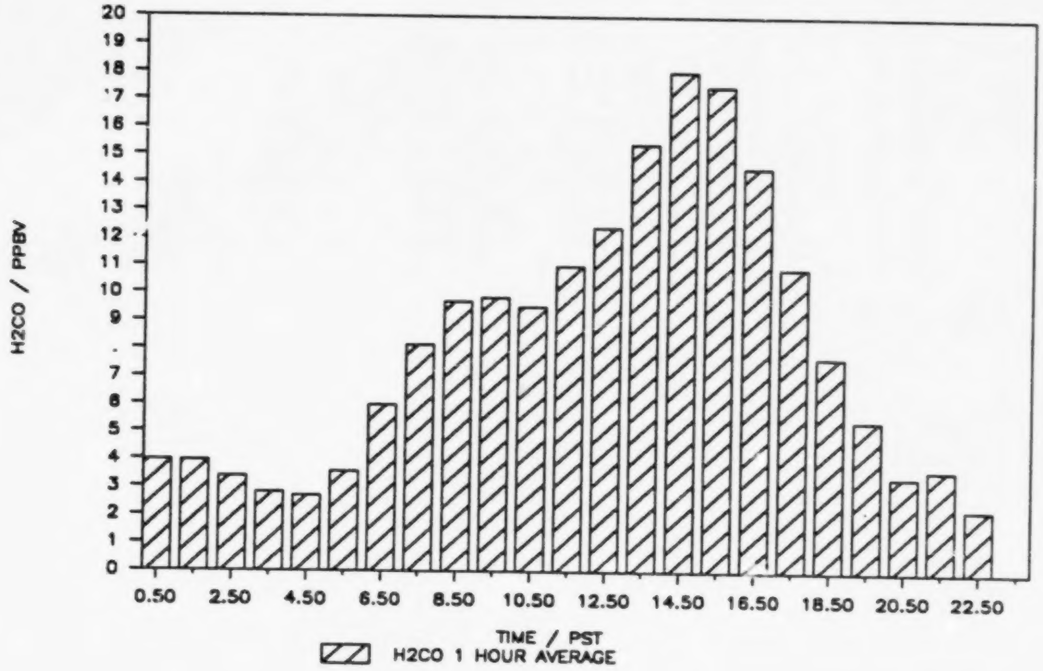
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: JULY 13, 1987
JULIAN DATE: 194

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.096	0.079	-0.384	5.559	
1.5	-0.106	0.068	-0.478	5.340	
2.5	-0.134	0.070	-0.550	4.835	
3.5	-0.035	0.121	-0.098	4.320	
4.5	0.134	0.115	0.373	5.434	
5.5	0.164	0.073	0.613	7.747	
6.5	0.130	0.108	0.384	9.554	
7.5	0.237	0.160	0.455	13.236	
8.5	0.114	0.103	0.357	14.708	
9.5	0.501	0.093	0.880	12.789	
10.5	0.522	0.113	0.847	12.441	
11.5	0.515	0.074	0.922	10.274	
12.5	0.202	0.066	0.724	13.640	
13.5	0.615	0.099	0.906	15.962	
14.5	0.669	0.115	0.896	16.289	
15.5	0.629	0.159	0.807	13.799	
16.5	0.337	0.069	0.860	10.543	
17.5	0.468	0.065	0.928	8.265	
18.5	0.283	0.071	0.808	6.6[illegible]1	
19.5	0.160	0.084	0.548	5.570	
20.5	-0.081	0.133	-0.207	4.892	
21.5	-0.125	0.141	-0.292	3.630	
22.5	-0.013	0.148	-0.031		CALIBRATION
23.5	-0.144	0.105	-0.430	4.220	22:08 TO 22:43

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 14, 1987



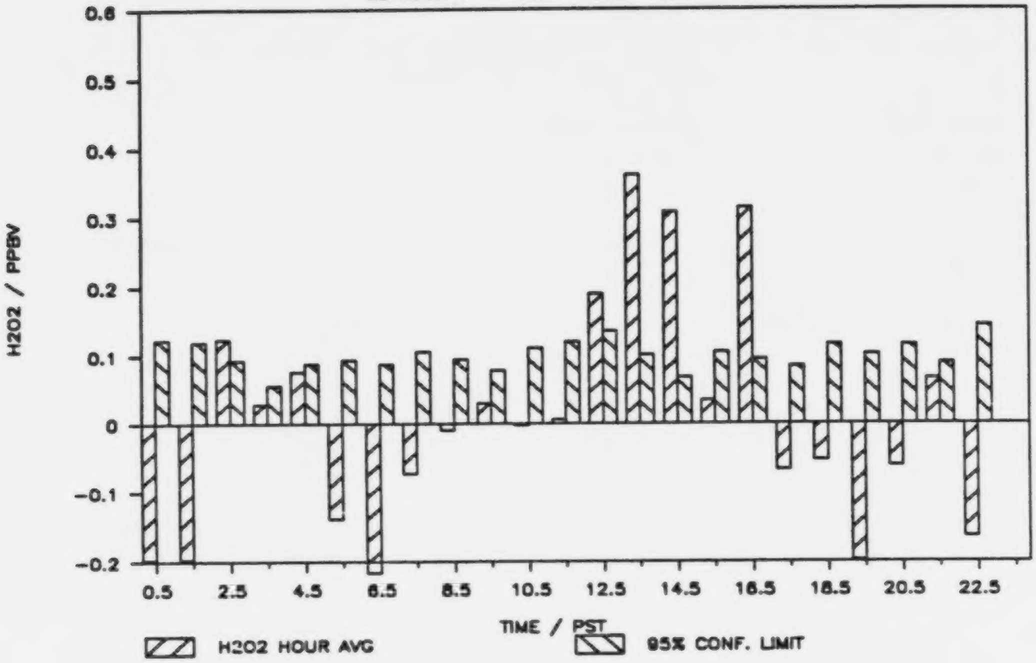


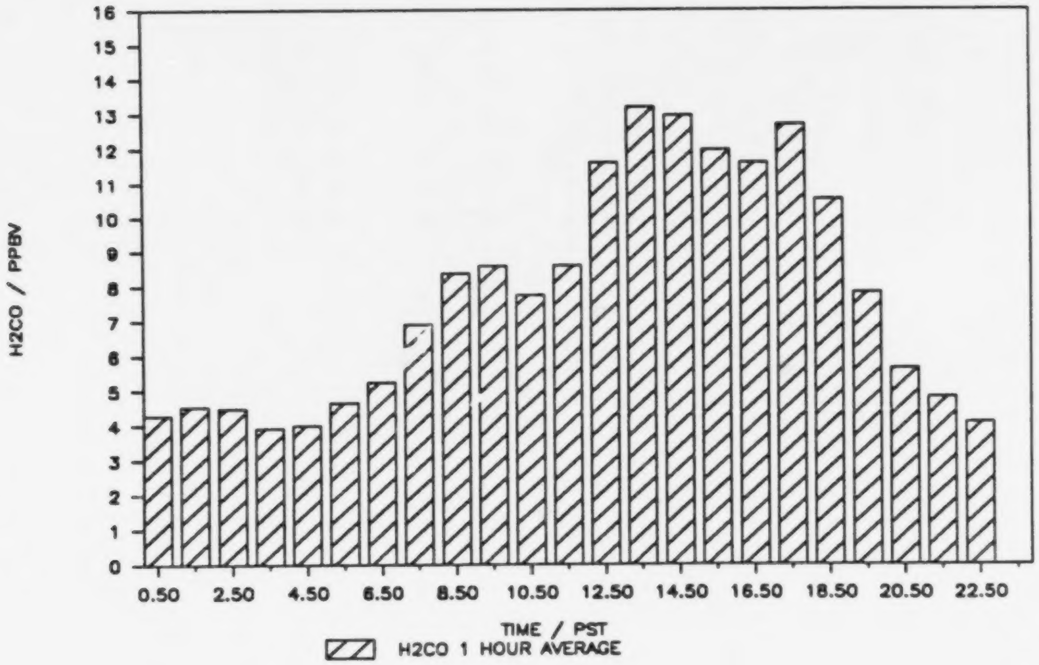
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: JULY 14, 1987
JULIAN DATE: 195

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.023	0.095	-0.077	3.963	
1.5	-0.091	0.092	-0.304	3.942	
2.5	-0.046	0.068	-0.212	3.372	
3.5	-0.259	0.094	-0.663	2.802	
4.5	-0.055	0.089	-0.191	2.681	
5.5	0.098	0.062	0.451	3.555	
6.5	0.056	0.083	0.213	5.962	REPLACE FILTER
7.5	0.105	0.060	0.490	8.136	07:00 TO 07:20
8.5	-0.081	0.081	-0.304	9.680	
9.5	0.260	0.057	0.826	9.827	
10.5	0.247	0.090	0.660	9.496	
11.5	0.203	0.067	0.695	10.984	
12.5	0.423	0.089	0.835	12.376	
13.5	0.298	0.099	0.696	15.381	
14.5	0.456	0.083	0.869	18.007	
15.5	0.418	0.073	0.878	17.484	
16.5	0.408	0.089	0.827	14.527	
17.5	0.214	0.077	0.667	10.895	
18.5	0.077	0.090	0.265	7.711	
19.5	0.022	0.088	0.078	5.413	
20.5	0.170	0.069	0.623	3.396	
21.5	-0.051	0.086	-0.185	3.655	
22.5	-0.101	0.140	-0.226	2.272	CALIBRATION
23.5					22:35 TO 00:01

SOUTHERN CALIFORNIA AIR QUALITY STUDY

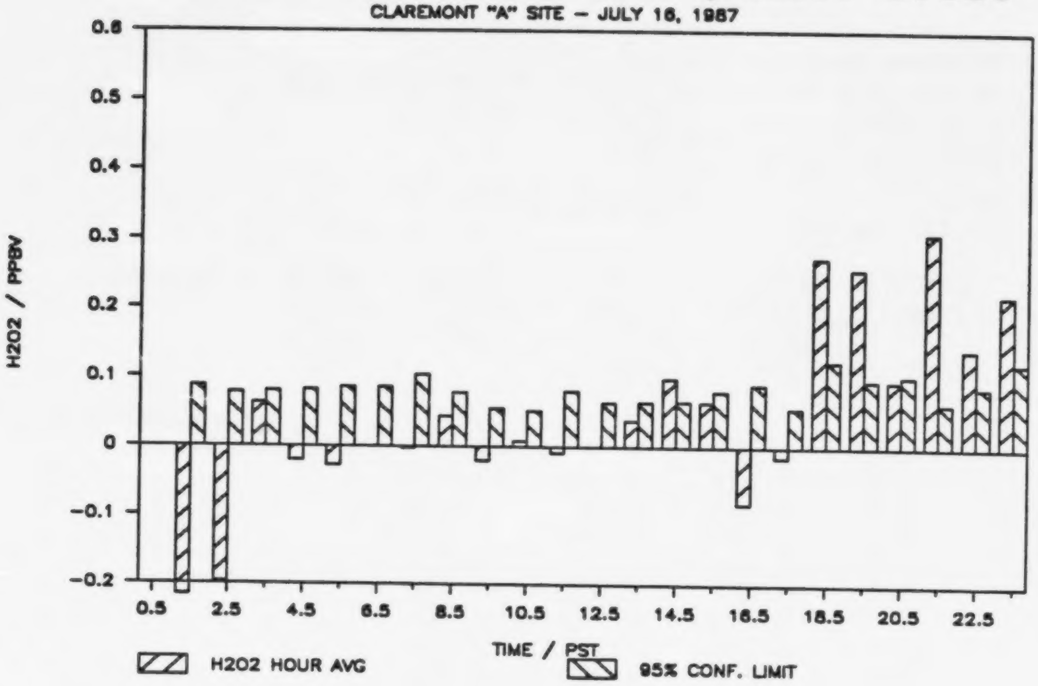
CLAREMONT "A" SITE – JULY 15, 1987





PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: JULY 15, 1987
JULIAN DATE: 196

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.197	0.123	-0.453	4.284	
1.5	-0.197	0.120	-0.462	4.549	
2.5	0.124	0.093	0.387	4.507	
3.5	0.028	0.056	0.157	3.918	
4.5	0.076	0.088	0.267	4.001	
5.5	-0.138	0.094	-0.422	4.651	H2CO CALIBRATION
6.5	-0.269	0.087	-0.700	5.234	05:50 TO 06:09
7.5	-0.073	0.106	-0.214	6.900	
8.5	-0.009	0.095	-0.031	8.380	
9.5	0.030	0.078	0.119	8.585	
10.5	-0.002	0.112	-0.006	7.747	
11.5	0.006	0.121	0.016	8.611	
12.5	0.191	0.136	0.407	11.594	
13.5	0.362	0.101	0.751	13.194	
14.5	0.308	0.068	0.819	12.962	
15.5	0.034	0.105	0.102	11.973	
16.5	0.314	0.095	0.723	11.599	
17.5	-0.067	0.084	-0.245	12.703	
18.5	-0.053	0.117	-0.141	10.535	
19.5	-0.197	0.102	-0.521	7.830	
20.5	-0.061	0.116	-0.165	5.641	
21.5	0.066	0.089	0.228	4.809	
22.5	-0.163	0.144	-0.339	4.092	CALIBRATION
23.5					23:07 TO 00:44

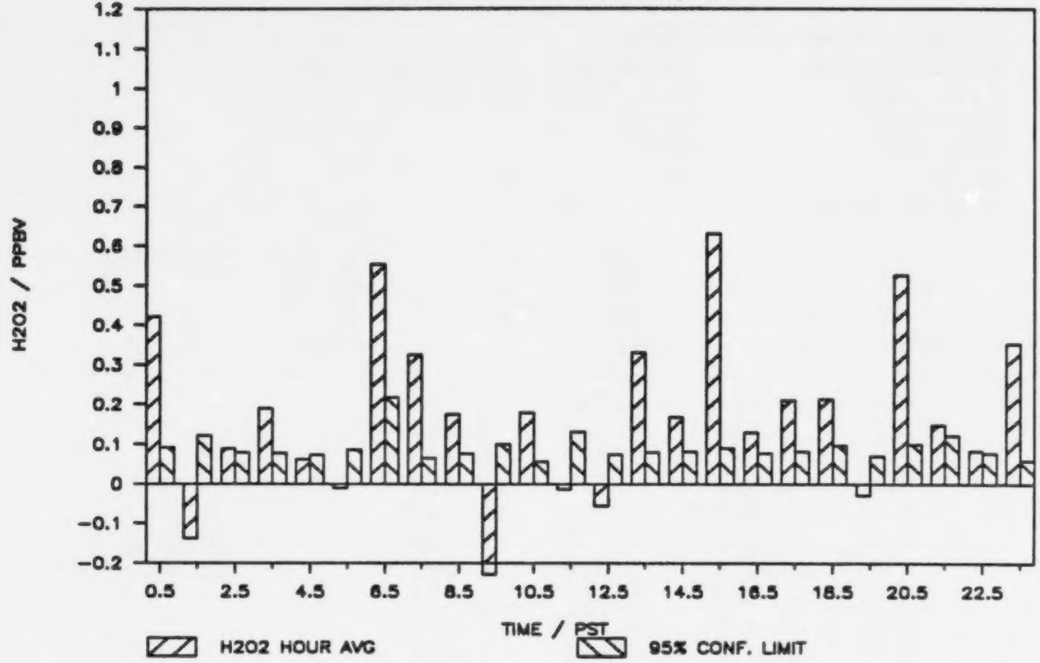


SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 16, 1987

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 16, 1987
JULIAN DATE: 197

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5					CALIBRATION TO 00:44
1.5	-0.217	0.087	-0.498		
2.5	-0.196	0.078	-0.502		
3.5	0.063	0.080	0.178		
4.5	-0.020	0.082	-0.057		
5.5	-0.028	0.085	-0.074		
6.5	0.001	0.086	0.002		
7.5	-0.003	0.104	-0.006		
8.5	0.043	0.077	0.129		
9.5	-0.020	0.055	-0.082		
10.5	0.008	0.052	0.037		
11.5	-0.009	0.081	-0.026		
12.5	-0.001	0.064	-0.002		
13.5	0.038	0.064	0.136		
14.5	0.099	0.066	0.328		
15.5	0.065	0.080	0.183		
16.5	-0.082	0.090	-0.206		
17.5	-0.015	0.056	-0.061		
18.5	0.273	0.124	0.453		
19.5	0.257	0.096	0.524		
20.5	0.095	0.102	0.209		
21.5	0.310	0.063	0.749		
22.5	0.142	0.088	0.349		
23.5	0.220	0.122	0.384		



SOUTHERN CALIFORNIA AIR QUALITY STUDY

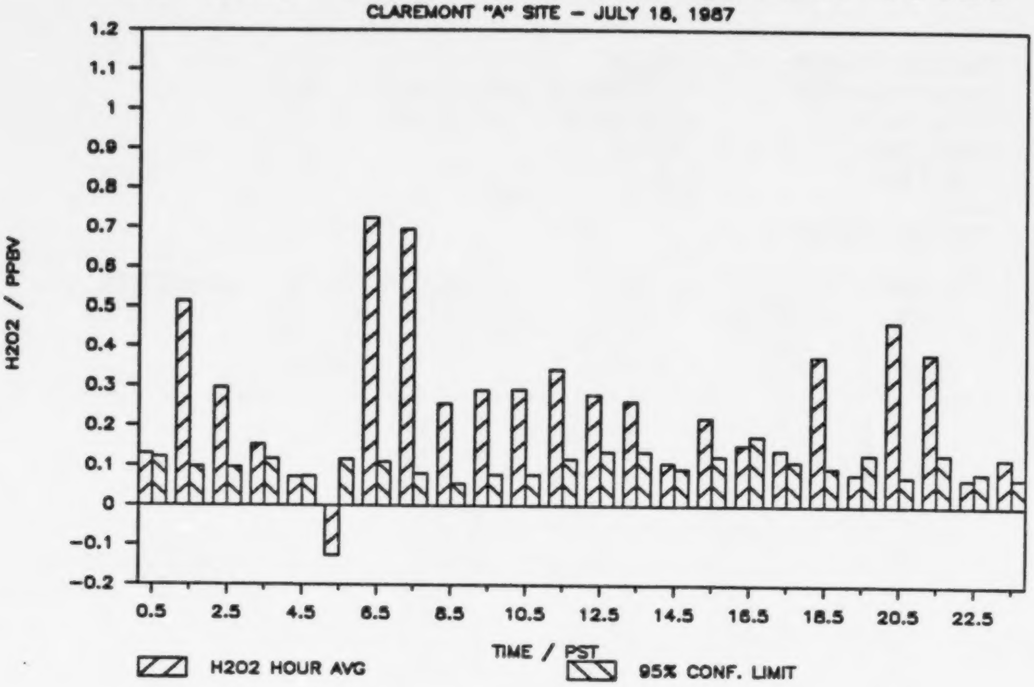
CLAREMONT "A" SITE – JULY 17, 1987

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 17, 1987
JULIAN DATE: 198

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.421	0.092	0.726		
1.5	-0.138	0.123	-0.251		
2.5	0.089	0.080	0.246		
3.5	0.190	0.077	0.492		
4.5	0.063	0.074	0.192		
5.5	-0.011	0.087	-0.028		CALIBRATE 05:48 TO 06:47
6.5	0.554	0.218	0.505		
7.5	0.326	0.066	0.751		
8.5	0.176	0.077	0.467		
9.5	-0.229	0.101	-0.462		
10.5	0.180	0.057	0.589		
11.5	-0.013	0.131	-0.023		
12.5	-0.055	0.076	-0.167		
13.5	0.331	0.081	0.686		
14.5	0.169	0.082	0.431		
15.5	0.632	0.090	0.851		
16.5	0.130	0.078	0.357		
17.5	0.211	0.083	0.508		
18.5	0.213	0.098	0.447		
19.5	-0.028	0.071	-0.092		
20.5	0.527	0.101	0.769		
21.5	0.148	0.121	0.271		
22.5	0.084	0.078	0.242		
23.5	0.355	0.060	0.807		

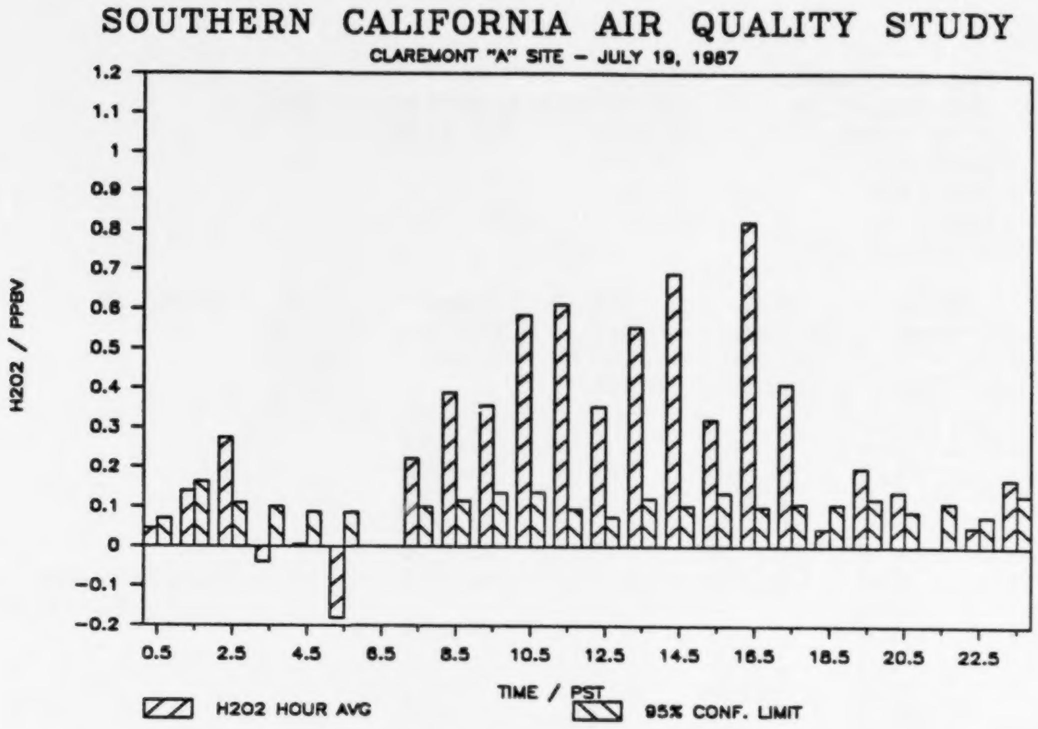
SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 18, 1987



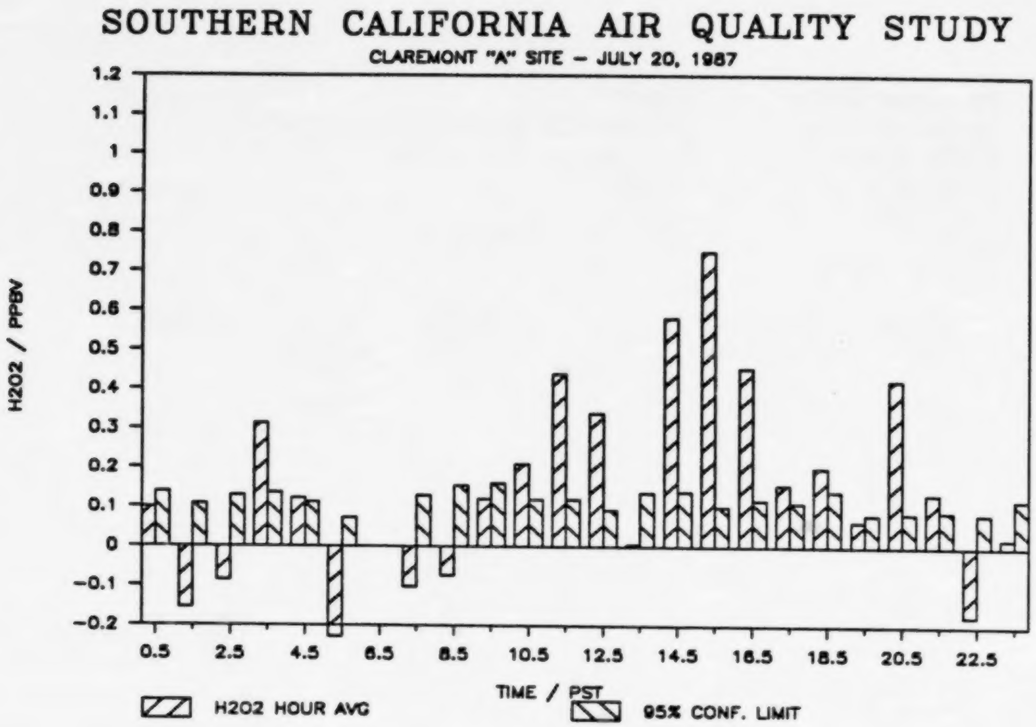
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 18, 1987
JULIAN DATE: 199

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.130	0.121	0.240		
1.5	0.514	0.098	0.770		
2.5	0.295	0.096	0.579		
3.5	0.153	0.118	0.287		
4.5	0.072	0.073	0.221		
5.5	-0.126	0.116	-0.244		CALIBRATION 05:36 TO 06:38
6.5	0.726	0.110	0.836		
7.5	0.697	0.081	0.893		
8.5	0.256	0.055	0.734		
9.5	0.290	0.079	0.648		
10.5	0.291	0.078	0.652		
11.5	0.343	0.118	0.558		
12.5	0.278	0.135	0.429		
13.5	0.262	0.135	0.409		
14.5	0.108	0.093	0.259		
15.5	0.221	0.124	0.380		
16.5	0.153	0.175	0.198		
17.5	0.141	0.111	0.280		
18.5	0.377	0.097	0.668		
19.5	0.080	0.130	0.141		
20.5	0.464	0.075	0.819		
21.5	0.385	0.132	0.557		
22.5	0.070	0.086	0.185		
23.5	0.121	0.072	0.360		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – JULY 19, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 19, 1987
JULIAN DATE: 200

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.046	0.071	0.147		
1.5	0.140	0.165	0.193		
2.5	0.274	0.110	0.499		
3.5	-0.038	0.100	-0.086		
4.5	0.006	0.088	0.016		
5.5	-0.179	0.086	-0.432		CALIBRATION
6.5					06:10 TO 06:49
7.5	0.223	0.100	0.458		
8.5	0.390	0.116	0.611		
9.5	0.356	0.135	0.519		
10.5	0.586	0.137	0.701		
11.5	0.613	0.095	0.830		
12.5	0.353	0.075	0.735		
13.5	0.555	0.121	0.727		
14.5	0.690	0.104	0.838		
15.5	0.322	0.137	0.476		
16.5	0.820	0.101	0.883		
17.5	0.411	0.109	0.656		
18.5	0.045	0.107	0.097		
19.5	0.198	0.122	0.350		
20.5	0.138	0.089	0.336		
21.5	-0.001	0.112	-0.001		
22.5	0.051	0.079	0.146		
23.5	0.171	0.132	0.287		

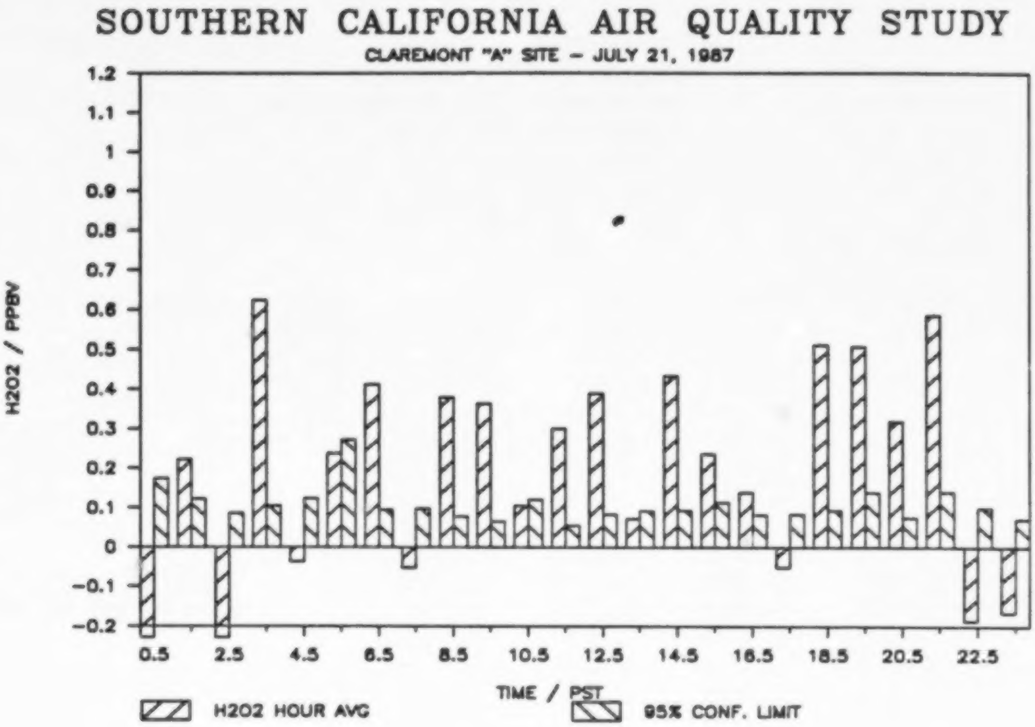


SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 20, 1987

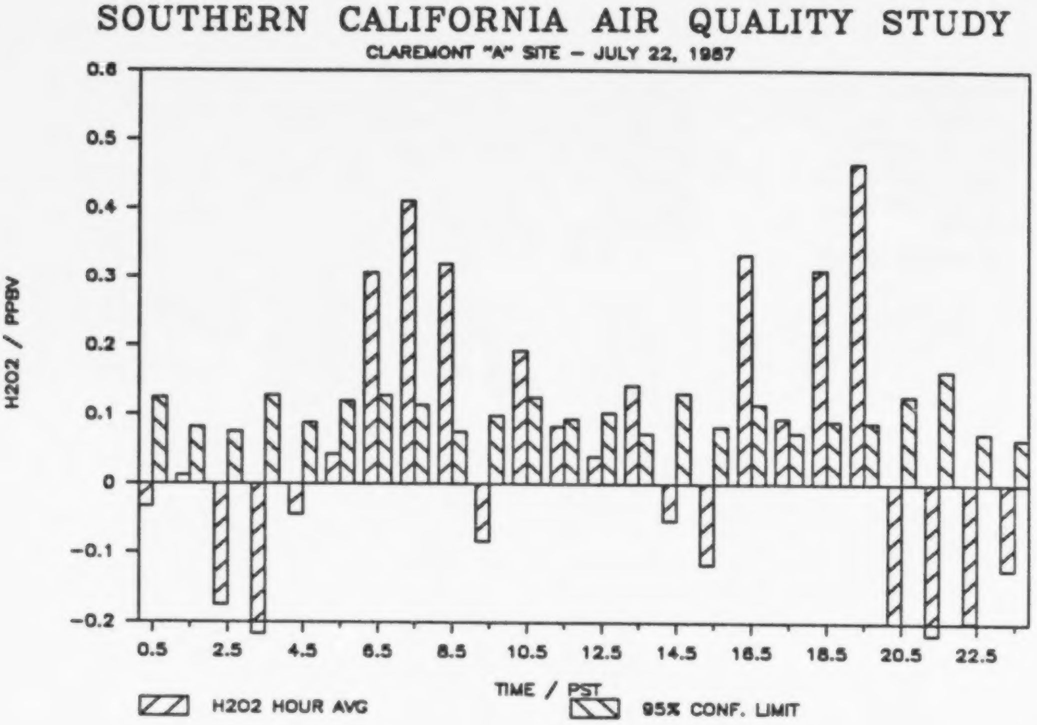
PROGRAM NAME:	SCAQS
ORGANIZATION	UNISEARCH ASSOCIATES, INC.
SITE NAME:	CLAREMONT "A" SITE
SAMPLER:	TDLAS
SPECIES:	H2O2
DATE:	JULY 20, 1987
JULIAN DATE:	201

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.099	0.139	0.162		
1.5	-0.155	0.107	-0.316		
2.5	-0.085	0.128	-0.151		
3.5	0.313	0.135	0.470		
4.5	0.121	0.111	0.244		
5.5	-0.293	0.073	-0.678		
6.5					CALIBRATION 06:12 TO 07:01
7.5	-0.102	0.129	-0.179		
8.5	-0.074	0.154	-0.111		
9.5	0.120	0.160	0.171		
10.5	0.210	0.118	0.378		
11.5	0.440	0.120	0.647		
12.5	0.339	0.092	0.649		
13.5	0.006	0.136	0.010		
14.5	0.582	0.139	0.695		
15.5	0.750	0.100	0.867		
16.5	0.454	0.117	0.667		
17.5	0.156	0.111	0.308		
18.5	0.199	0.140	0.311		
19.5	0.063	0.080	0.179		
20.5	0.421	0.085	0.751		
21.5	0.133	0.089	0.325		
22.5	-0.174	0.083	-0.433		
23.5	0.021	0.119	0.040		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE - JULY 21, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

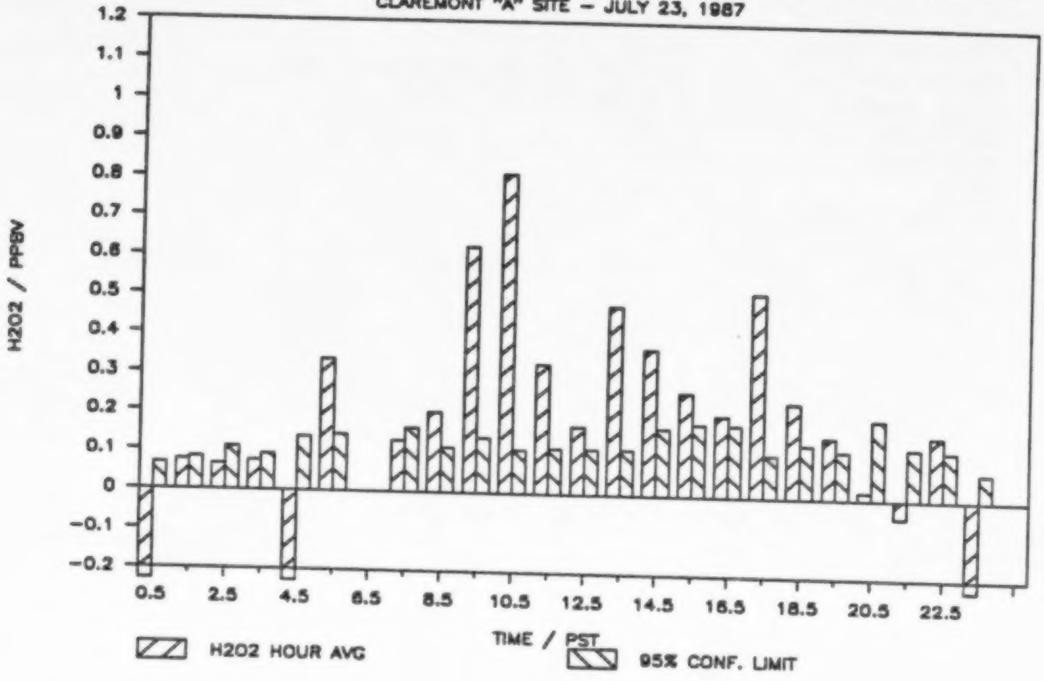
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 21, 1987
JULIAN DATE: 202

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.315	0.173	-0.387		
1.5	0.222	0.122	0.386		
2.5	-0.223	0.086	-0.513		
3.5	0.623	0.105	0.807		
4.5	-0.036	0.123	-0.068		
5.5	0.238	0.272	0.198		CALIBRATION 05:42 TO 06:06
6.5	0.412	0.095	0.707		
7.5	-0.053	0.098	-0.122		
8.5	0.379	0.078	0.744		
9.5	0.364	0.065	0.791		
10.5	0.105	0.120	0.198		
11.5	0.299	0.055	0.783		
12.5	0.389	0.083	0.732		
13.5	0.073	0.092	0.181		
14.5	0.433	0.094	0.727		
15.5	0.237	0.113	0.436		
16.5	0.139	0.082	0.365		
17.5	-0.051	0.084	-0.139		
18.5	0.512	0.092	0.787		
19.5	0.507	0.138	0.645		
20.5	0.318	0.074	0.702		
21.5	0.586	0.140	0.695		
22.5	-0.185	0.099	-0.395		
23.5	-0.166	0.070	-0.478		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE - JULY 22, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 22, 1987
JULIAN DATE: 203

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.033	0.125	-0.061		
1.5	0.013	0.081	0.036		
2.5	-0.174	0.075	-0.472		
3.5	-0.235	0.128	-0.390		
4.5	-0.045	0.088	-0.116		
5.5	0.043	0.120	0.083		
6.5	0.306	0.128	0.482		
7.5	0.410	0.114	0.640		CALIBRATION 06:19 TO 07:01
8.5	0.319	0.076	0.697		
9.5	-0.083	0.098	-0.192		
10.5	0.192	0.126	0.333		
11.5	0.084	0.093	0.202		
12.5	0.040	0.103	0.090		
13.5	0.142	0.073	0.410		
14.5	-0.053	0.131	-0.093		
15.5	-0.116	0.082	-0.309		
16.5	0.332	0.114	0.556		
17.5	0.095	0.073	0.286		
18.5	0.310	0.090	0.621		
19.5	0.464	0.088	0.771		
20.5	-0.200	0.127	-0.341		
21.5	-0.204	0.164	-0.276		
22.5	-0.198	0.074	-0.527		
23.5	-0.123	0.065	-0.398		

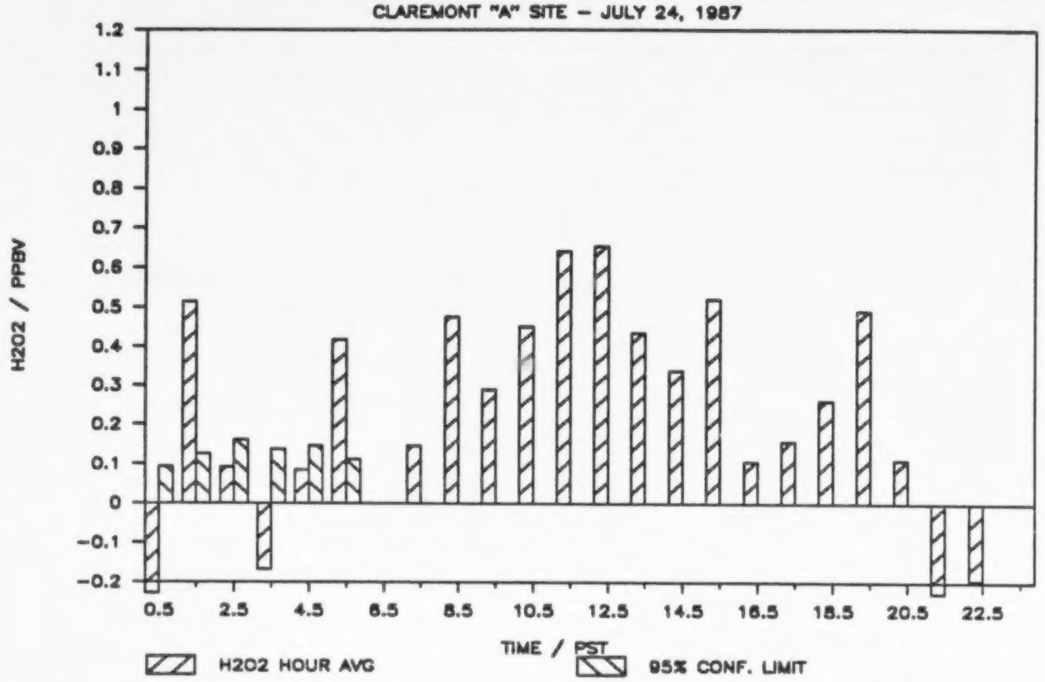


SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 23, 1987

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 23, 1987
JULIAN DATE: 204

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.213	0.067	-0.591		
1.5	0.075	0.082	0.204		
2.5	0.065	0.109	0.136		
3.5	0.074	0.091	0.186		
4.5	-0.287	0.136	-0.436		
5.5	0.336	0.143	0.476		
6.5					CALIBRATION 05:58 TO 07:01
7.5	0.128	0.161	0.181		
8.5	0.202	0.113	0.381		
9.5	0.627	0.138	0.723		
10.5	0.815	0.111	0.861		
11.5	0.330	0.115	0.552		
12.5	0.172	0.115	0.326		
13.5	0.480	0.115	0.694		
14.5	0.373	0.169	0.452		
15.5	0.263	0.183	0.315		
16.5	0.206	0.181	0.254		
17.5	0.519	0.109	0.740		
18.5	0.241	0.135	0.382		
19.5	0.154	0.120	0.283		
20.5	0.020	0.200	0.023		
21.5	-0.044	0.129	-0.078		
22.5	0.160	0.123	0.287		
23.5	-0.336	0.070	-0.742		

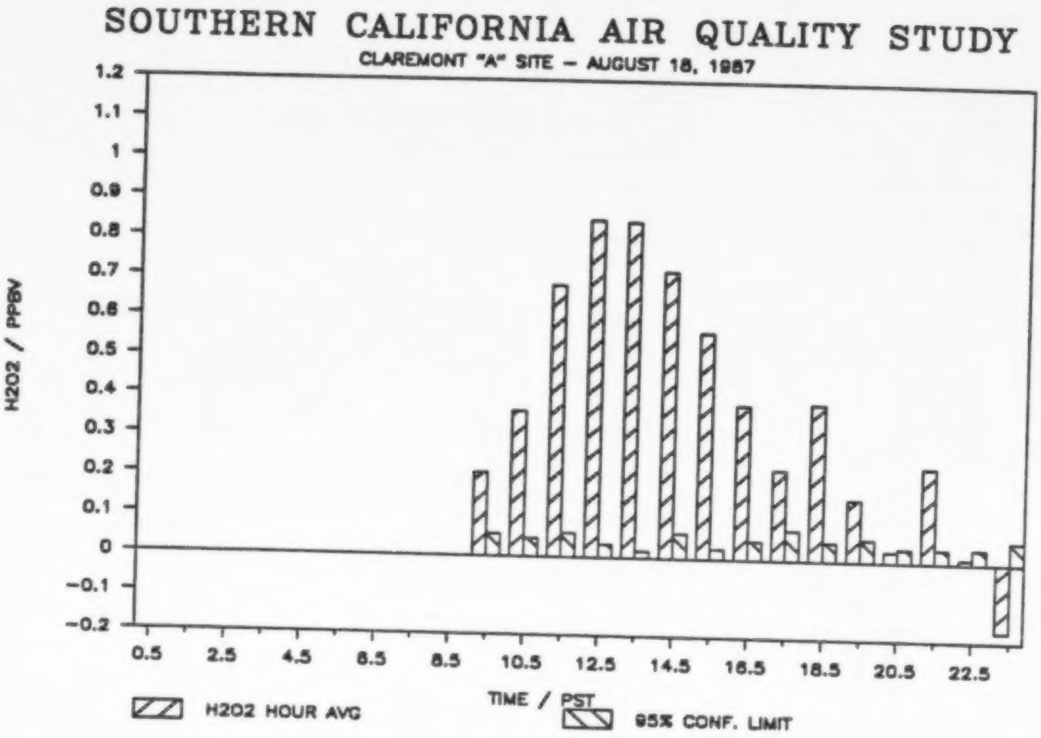


SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – JULY 24, 1987

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: JULY 24, 1987
JULIAN DATE: 205

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.601	0.094	-0.827		
1.5	0.514	0.126	0.686		
2.5	0.092	0.161	0.130		
3.5	-0.168	0.138	-0.270		
4.5	0.085	0.145	0.134		
5.5	0.418	0.112	0.653		
6.5					CALIBRATION
7.5	-0.145				05:56 TO 06:41
8.5	0.476				
9.5	0.289				
10.5	0.452				DATA LOST BY
11.5	0.643				DISK FAILURE.
12.5	0.655				AVERAGES OF
13.5	0.436				1 MINUTE
14.5	0.338				SPECTRA.
15.5	0.520				
16.5	0.106				
17.5	0.156				
18.5	0.260				
19.5	0.492				
20.5	0.111				
21.5	-0.455				
22.5	-0.193				
23.5					

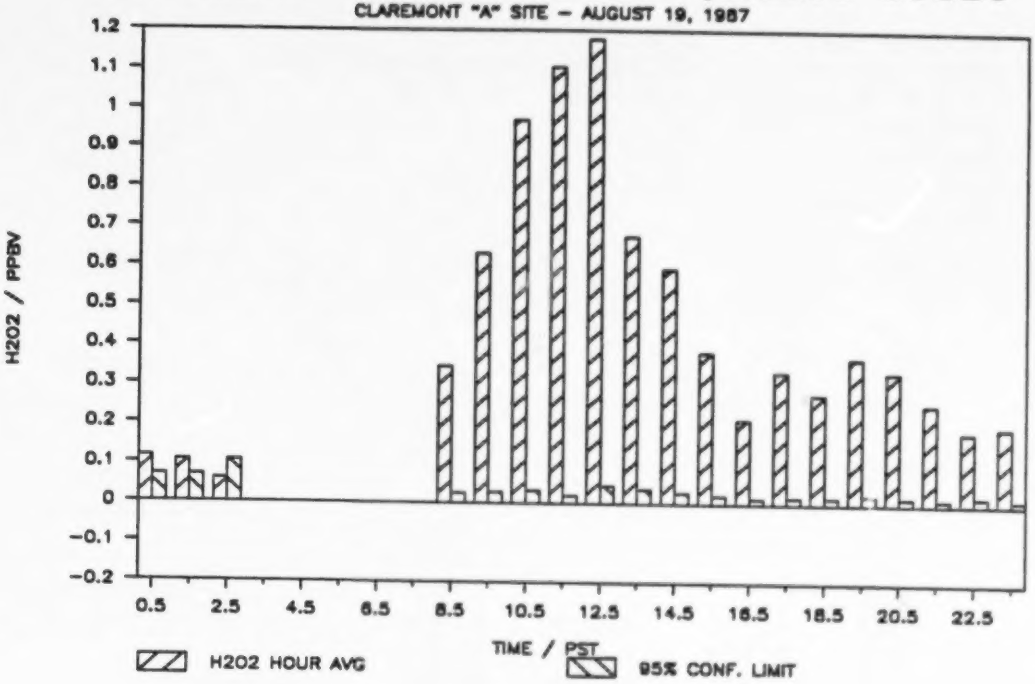

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – AUGUST 18, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 18, 1987
JULIAN DATE: 230

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5					
1.5					
2.5					
3.5					
4.5					
5.5					
6.5					
7.5					
8.5					
9.5	0.209	0.057	0.649		
10.5	0.364	0.046	0.875		
11.5	0.685	0.062	0.932		
12.5	0.850	0.034	0.985		
13.5	0.845	0.018	0.996		
14.5	0.723	0.064	0.934		
15.5	0.569	0.026	0.980		
16.5	0.386	0.047	0.883		
17.5	0.227	0.077	0.562		
18.5	0.393	0.049	0.880		
19.5	0.156	0.057	0.535		
20.5	0.029	0.036	0.184		
21.5	0.238	0.036	0.838		
22.5	0.010	0.038	0.063		
23.5	-0.172	0.057	-0.572		

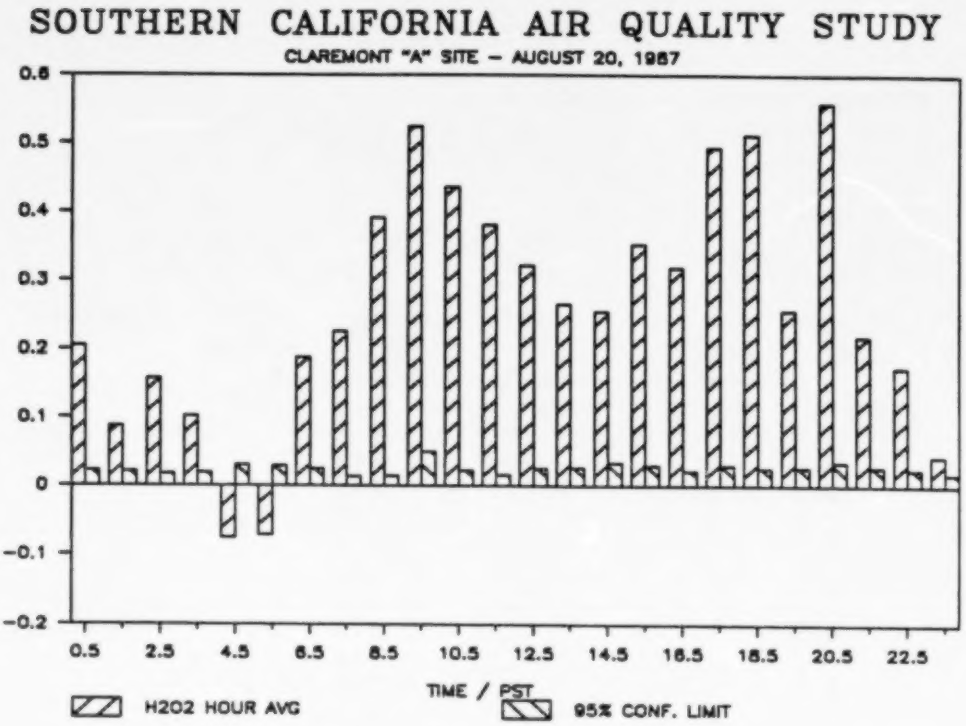
SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 19, 1987



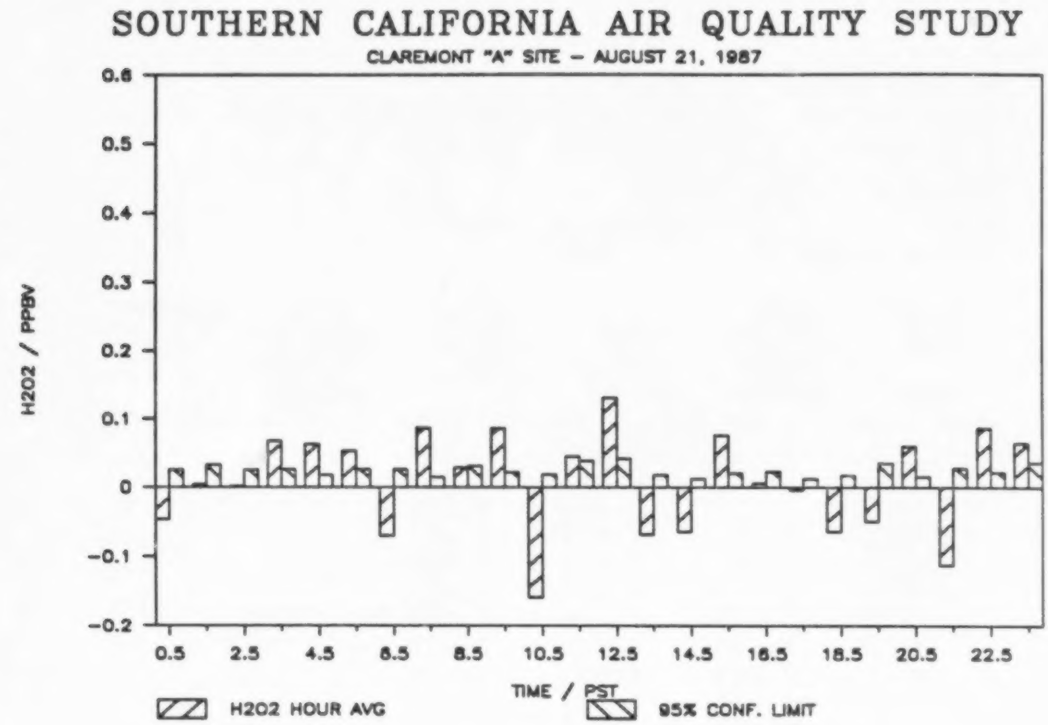
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 19, 1987
JULIAN DATE: 231

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.116	0.069	0.362		
1.5	0.106	0.069	0.334		
2.5	0.060	0.106	0.129		
3.5					DATA LOST DISK FAILURE
4.5					
5.5					
6.5					
7.5					CALIBRATION AT 07:56
8.5	0.345	0.026	0.950		
9.5	0.633	0.028	0.982		
10.5	0.971	0.032	0.990		
11.5	1.106	0.019	0.997		
12.5	1.178	0.046	0.986		
13.5	0.676	0.037	0.973		
14.5	0.595	0.029	0.979		
15.5	0.382	0.021	0.972		
16.5	0.212	0.014	0.961		
17.5	0.333	0.017	0.977		
18.5	0.277	0.017	0.968		
19.5	0.368	0.023	0.966		
20.5	0.333	0.017	0.976		
21.5	0.252	0.012	0.979		
22.5	0.182	0.019	0.908		
23.5	0.195	0.013	0.959		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – AUGUST 20, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

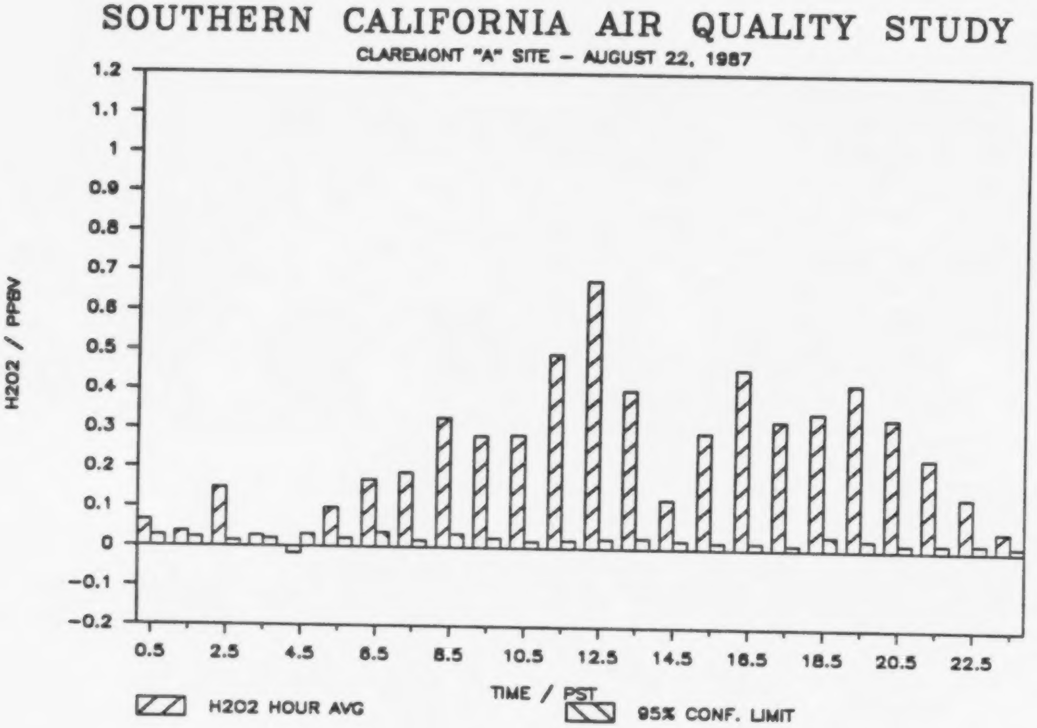
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 20, 1987
JULIAN DATE: 232

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.204	0.023	0.898		
1.5	0.088	0.021	0.692		
2.5	0.157	0.018	0.899		
3.5	0.102	0.019	0.776		
4.5	-0.076	0.031	-0.495		
5.5	-0.071	0.029	-0.489		CALIBRATE 05:58 TO 06:28
6.5	0.188	0.025	0.866		
7.5	0.226	0.014	0.966		
8.5	0.391	0.015	0.987		
9.5	0.525	0.050	0.924		
10.5	0.436	0.022	0.976		
11.5	0.381	0.016	0.983		
12.5	0.322	0.026	0.943		
13.5	0.266	0.027	0.917		
14.5	0.254	0.034	0.865		
15.5	0.353	0.030	0.940		
16.5	0.319	0.021	0.960		
17.5	0.494	0.030	0.968		
18.5	0.512	0.026	0.976		
19.5	0.256	0.027	0.910		
20.5	0.559	0.035	0.965		
21.5	0.218	0.027	0.879		
22.5	0.173	0.024	0.853		
23.5	0.044	0.018	0.489		


SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – AUGUST 21, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H_2O_2
DATE: AUGUST 21, 1987
JULIAN DATE: 233

BLOCK TIME (PST)	H_2O_2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H_2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.046	0.025	-0.393		
1.5	0.003	0.032	0.025		
2.5	0.002	0.025	0.015		
3.5	0.067	0.026	0.511		
4.5	0.062	0.017	0.638		
5.5	0.053	0.026	0.424		
6.5	-0.069	0.026	-0.526		CALIBRATE
7.5	0.087	0.015	0.809		06:13 TO 06:51
8.5	0.028	0.031	0.208		
9.5	0.086	0.021	0.679		
10.5	-0.158	0.019	-0.888		
11.5	0.044	0.038	0.261		
12.5	0.130	0.041	0.590		
13.5	-0.068	0.017	-0.670		
14.5	-0.064	0.012	-0.770		
15.5	0.075	0.021	0.640		
16.5	0.005	0.023	0.055		
17.5	-0.004	0.012	-0.083		
18.5	-0.064	0.017	-0.656		
19.5	-0.049	0.035	-0.309		
20.5	0.059	0.015	0.664		
21.5	-0.113	0.027	-0.690		
22.5	0.086	0.022	0.676		
23.5	0.064	0.036	0.381		

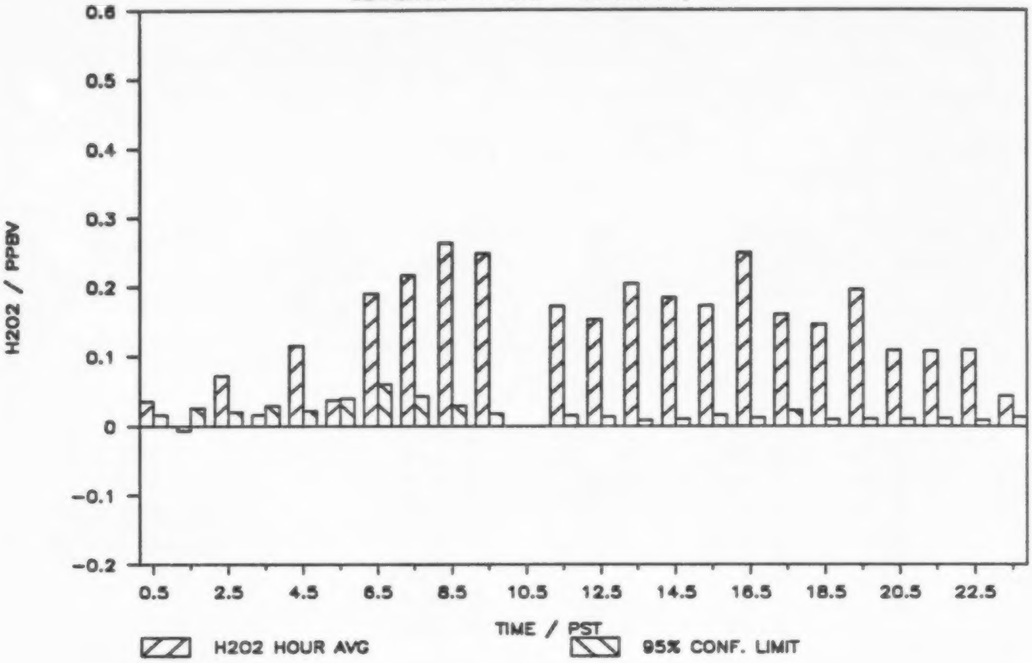

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – AUGUST 22, 1987
H2O2 / PPBV
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
-0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
H2O2 HOUR AVG
95% CONF. LIMIT

PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 22, 1987
JULIAN DATE: 234

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.065	0.027	0.482		
1.5	0.036	0.023	0.345		
2.5	0.148	0.014	0.922		
3.5	0.027	0.020	0.294		
4.5	-0.018	0.031	-0.127		
5.5	0.097	0.021	0.727		CALIBRATION
6.5	0.170	0.037	0.727		06:00 TO 06:26
7.5	0.188	0.016	0.935		
8.5	0.328	0.034	0.914		
9.5	0.284	0.024	0.939		
10.5	0.285	0.017	0.967		
11.5	0.492	0.020	0.985		
12.5	0.678	0.024	0.989		
13.5	0.402	0.026	0.962		
14.5	0.125	0.021	0.803		
15.5	0.295	0.017	0.970		
16.5	0.456	0.016	0.988		
17.5	0.326	0.013	0.985		
18.5	0.346	0.035	0.914		
19.5	0.420	0.027	0.962		
20.5	0.334	0.017	0.977		
21.5	0.233	0.018	0.949		
22.5	0.137	0.020	0.839		
23.5	0.052	0.015	0.628		

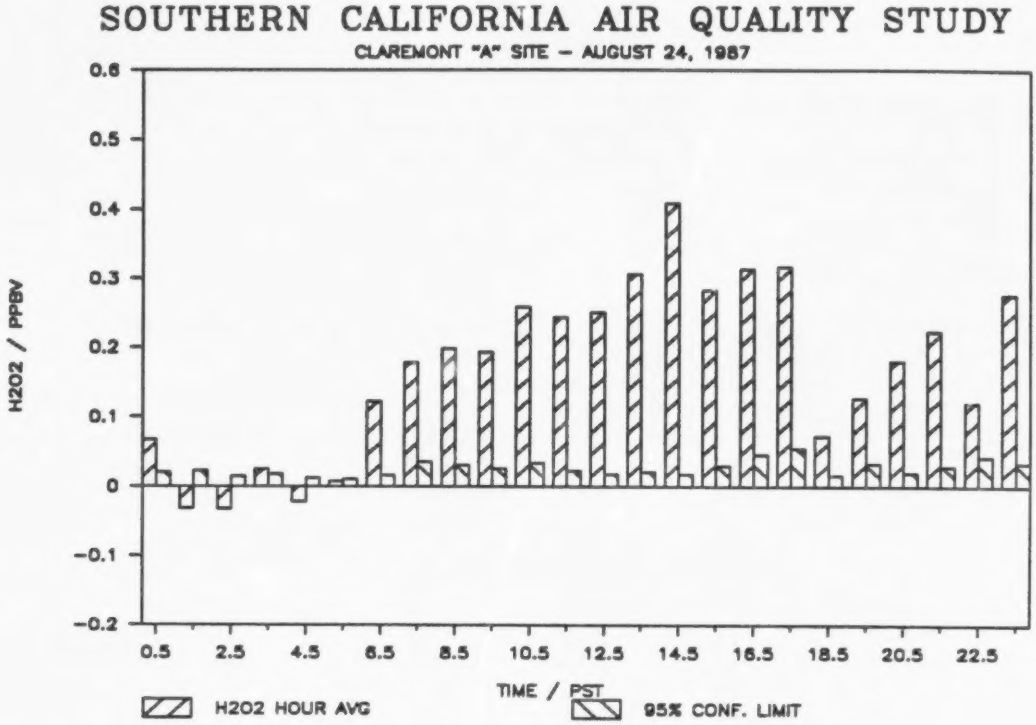
SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 23, 1987



PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 23, 1987
JULIAN DATE: 235

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.035	0.016	0.456		
1.5	-0.007	0.026	-0.060		
2.5	0.072	0.020	0.628		
3.5	0.016	0.029	0.124		
4.5	0.115	0.022	0.771		
5.5	0.037	0.040	0.209		CALIBRATION
6.5	0.190	0.060	0.588		05:55 TO 06:37
7.5	0.217	0.043	0.761		
8.5	0.264	0.029	0.904		
9.5	0.250	0.018	0.955		
10.5					DATA LOSS
11.5	0.172	0.015	0.932		
12.5	0.153	0.014	0.933		
13.5	0.205	0.009	0.982		
14.5	0.185	0.011	0.970		
15.5	0.173	0.016	0.926		
16.5	0.250	0.012	0.979		
17.5	0.160	0.022	0.855		
18.5	0.145	0.010	0.961		
19.5	0.196	0.011	0.972		
20.5	0.108	0.011	0.921		
21.5	0.108	0.011	0.908		
22.5	0.109	0.009	0.943		
23.5	0.044	0.013	0.598		

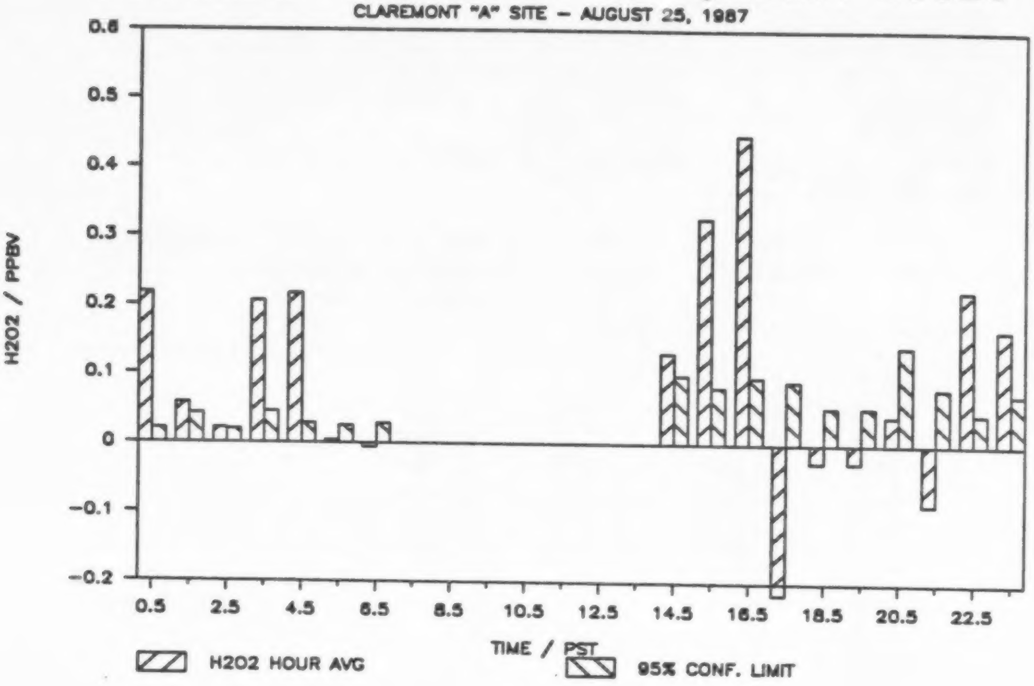

SOUTHERN CALIFORNIA AIR QUALITY STUDY
CLAREMONT "A" SITE – AUGUST 24, 1987
H2O2 / PPBV
0.6
0.5
0.4
0.3
0.2
0.1
0
–0.1
–0.2
0.5
2.5
4.5
6.5
8.5
10.5
12.5
14.5
16.5
18.5
20.5
22.5
TIME / PST
▨ H2O2 HOUR AVG
▧ 95% CONF. LIMIT

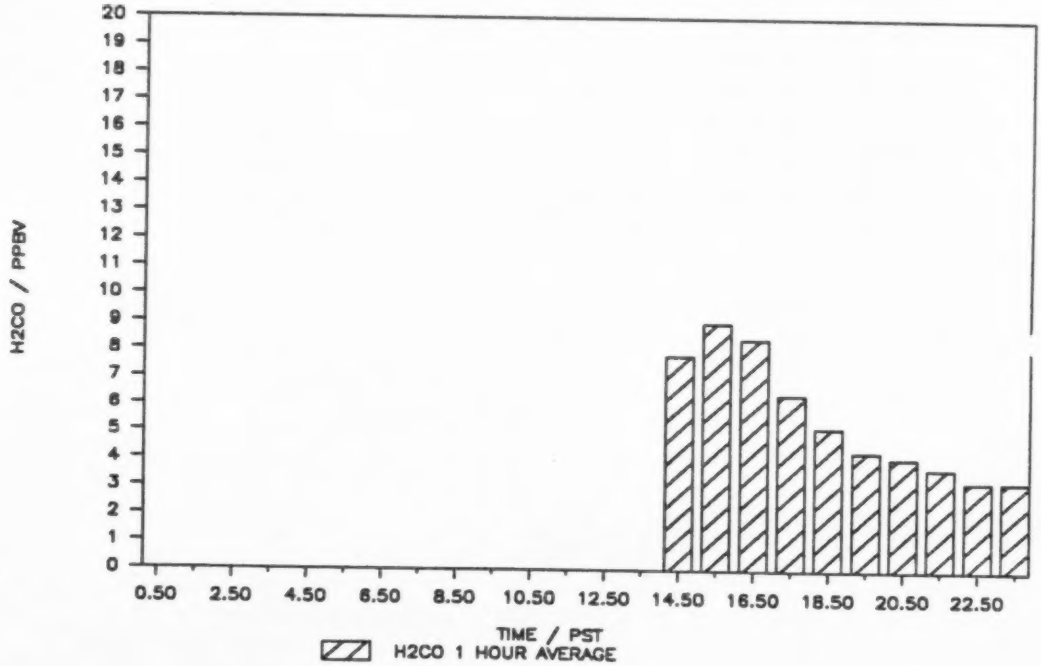
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2
DATE: AUGUST 24, 1987
JULIAN DATE: 236

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.067	0.020	0.605		
1.5	-0.032	0.023	-0.307		
2.5	-0.033	0.014	-0.466		
3.5	0.025	0.018	0.307		
4.5	-0.022	0.012	-0.389		
5.5	0.007	0.011	0.148		
6.5	0.122	0.016	0.864		CALIBRATION
7.5	0.179	0.036	0.754		06:25 TO 07:04
8.5	0.198	0.031	0.827		
9.5	0.194	0.026	0.865		
10.5	0.259	0.034	0.870		
11.5	0.244	0.022	0.929		
12.5	0.250	0.017	0.957		
13.5	0.307	0.021	0.958		
14.5	0.409	0.018	0.983		
15.5	0.283	0.030	0.908		
16.5	0.314	0.046	0.844		
17.5	0.317	0.055	0.796		
18.5	0.073	0.016	0.733		
19.5	0.127	0.033	0.665		
20.5	0.181	0.020	0.901		
21.5	0.224	0.029	0.871		
22.5	0.121	0.043	0.546		
23.5	0.277	0.034	0.883		

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 25, 1987



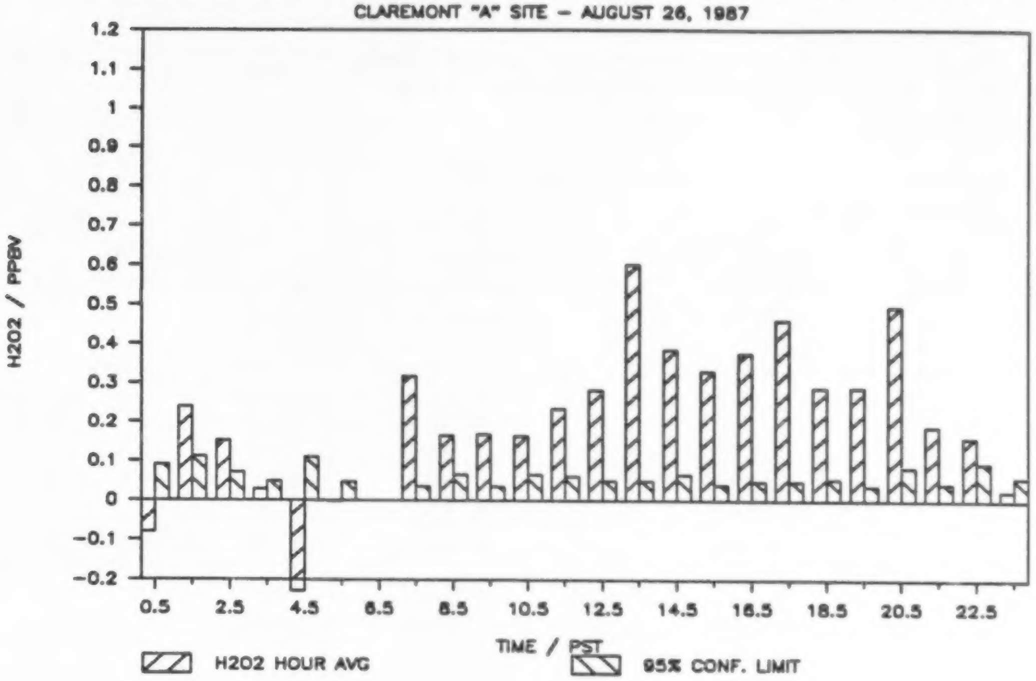


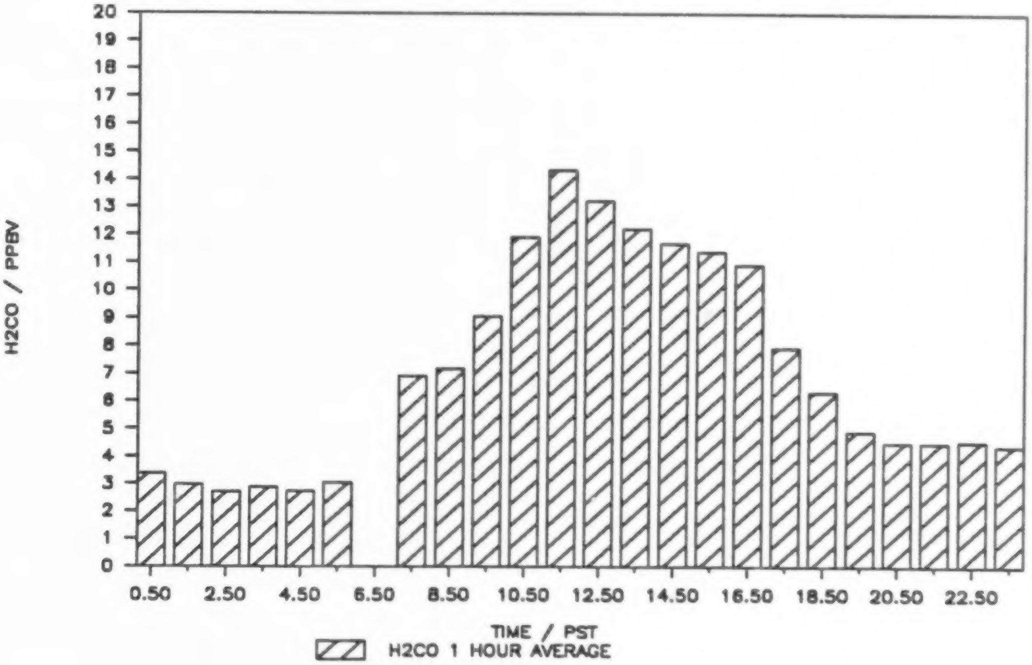
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 25, 1987
JULIAN DATE: 237

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.218	0.021	0.924		
1.5	0.057	0.042	0.297		
2.5	0.021	0.019	0.248		
3.5	0.207	0.045	0.724		
4.5	0.217	0.028	0.874		
5.5	0.005	0.025	0.043		
6.5	-0.006	0.028	-0.049		
7.5					CHANGE TO
8.5					DUAL MODE
9.5					
10.5					
11.5					
12.5					
13.5					CALIBRATION
14.5	0.131	0.098	0.293	7.777	AT 13:50
15.5	0.327	0.082	0.678	8.966	
16.5	0.447	0.097	0.729	8.387	
17.5	-0.458	0.090	-0.761	6.362	
18.5	-0.026	0.053	-0.111	5.148	
19.5	-0.026	0.053	-0.111	4.279	
20.5	0.041	0.142	0.066	4.070	
21.5	-0.086	0.082	-0.235	3.693	
22.5	0.224	0.045	0.753	3.239	
23.5	0.167	0.073	0.467	3.237	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 26, 1987



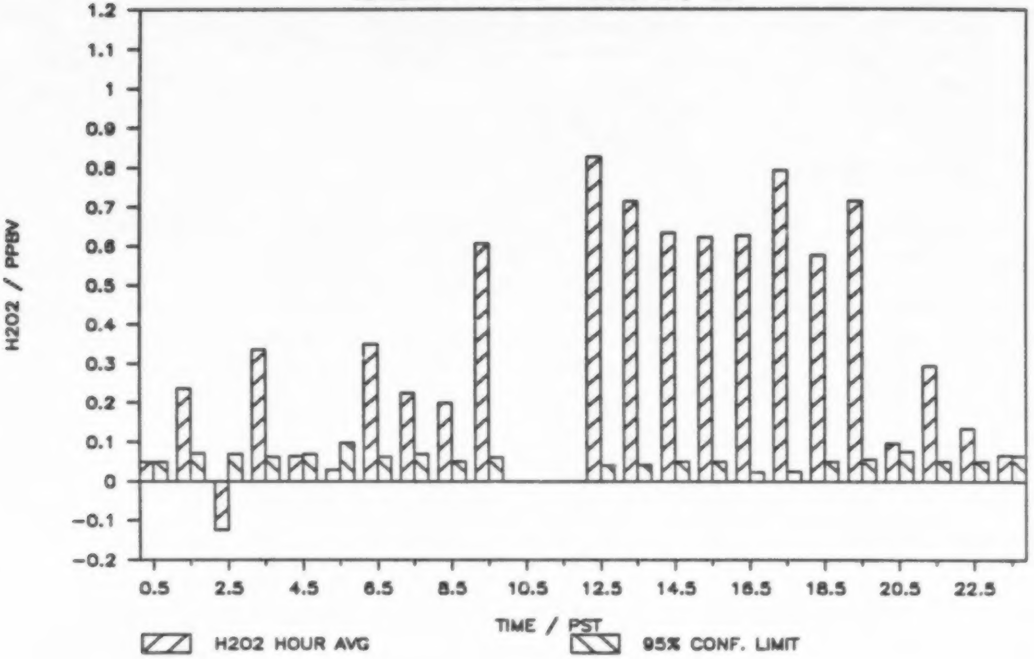


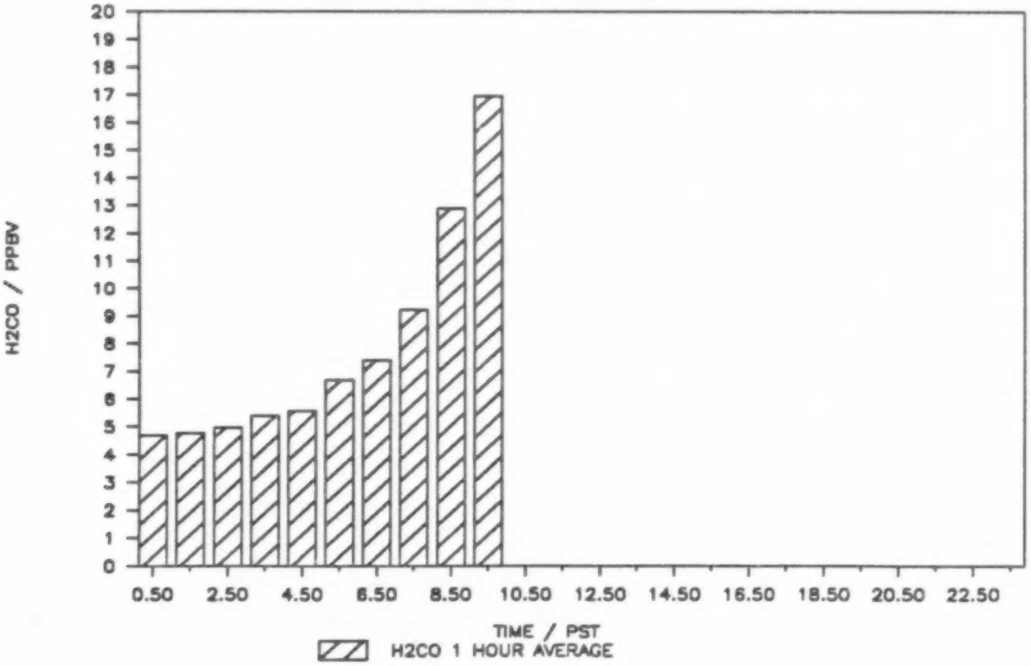
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 26, 1987
JULIAN DATE: 238

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.080	0.091	-0.200	3.387	
1.5	0.239	0.112	0.441	2.978	
2.5	0.152	0.071	0.440	2.711	
3.5	0.028	0.048	0.133	2.878	
4.5	-0.360	0.111	-0.597	2.735	
5.5	-0.002	0.046	-0.011	3.032	CALIBRATION
6.5					06:05 TO 07:04
7.5	0.317	0.035	0.901	6.899	
8.5	0.166	0.066	0.500	7.146	
9.5	0.168	0.035	0.745	9.059	
10.5	0.165	0.065	0.506	11.909	
11.5	0.234	0.061	0.661	14.326	
12.5	0.281	0.049	0.795	13.210	
13.5	0.604	0.049	0.944	12.219	
14.5	0.385	0.065	0.805	11.674	
15.5	0.330	0.040	0.886	11.378	
16.5	0.375	0.048	0.874	10.909	
17.5	0.461	0.048	0.910	7.932	
18.5	0.287	0.054	0.775	6.324	
19.5	0.288	0.037	0.875	4.909	
20.5	0.494	0.083	0.807	4.513	
21.5	0.188	0.043	0.712	4.484	
22.5	0.160	0.095	0.361	4.554	CALIBRATION
23.5	0.023	0.059	0.091	4.380	22:05 TO 22:40

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 27, 1987



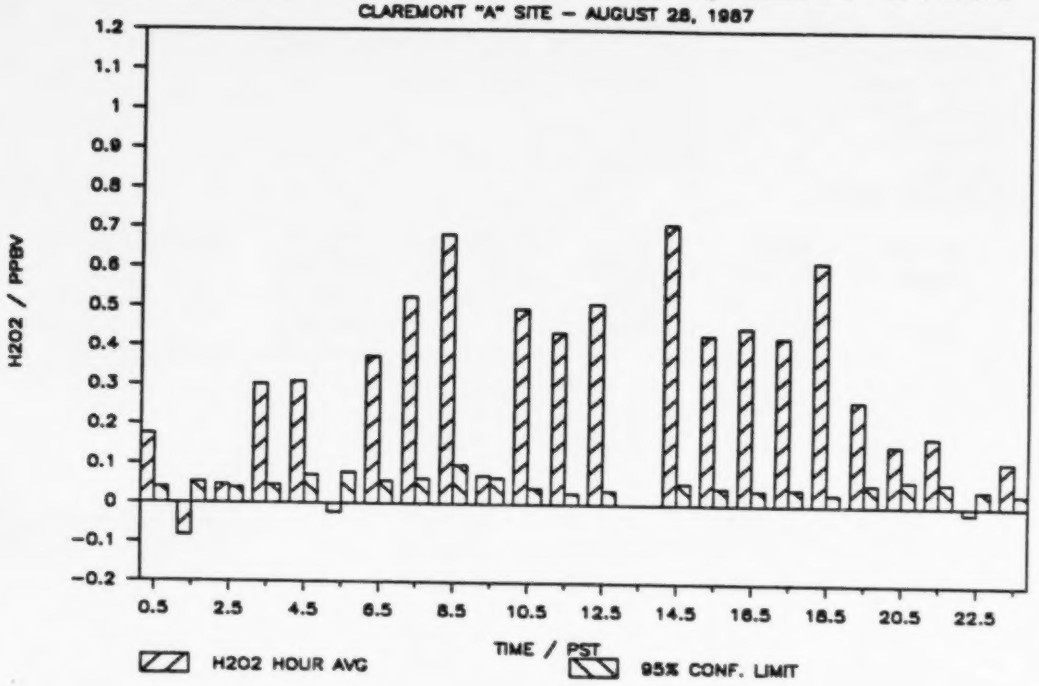


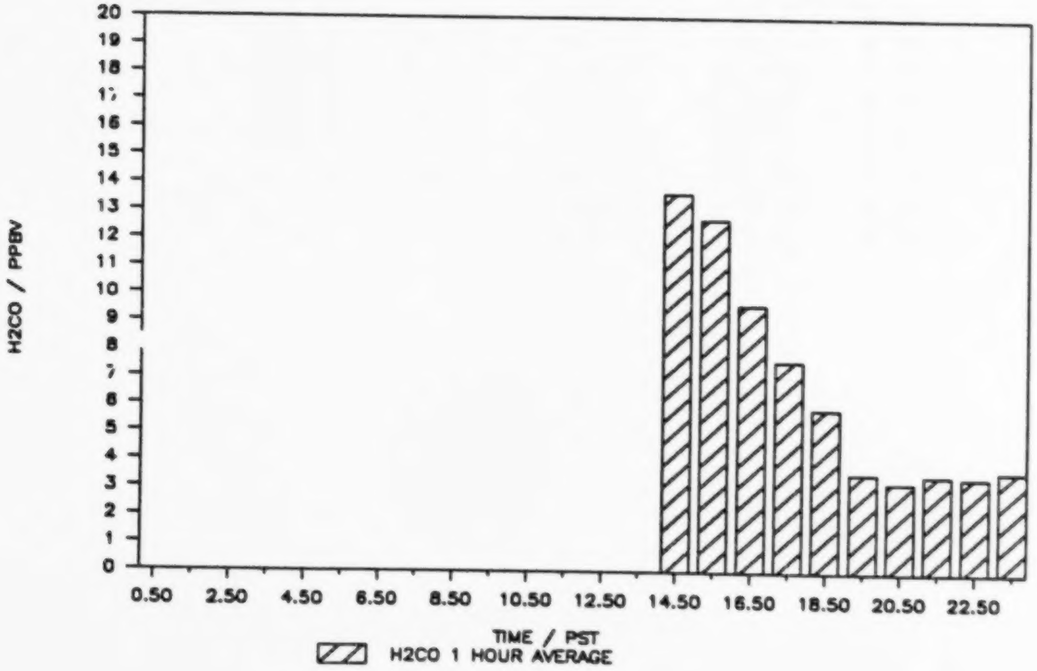
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 27, 1987
JULIAN DATE: 239

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.049	0.050	0.222	4.685	
1.5	0.236	0.071	0.609	4.764	
2.5	-0.123	0.069	-0.382	4.972	
3.5	0.336	0.062	0.779	5.389	
4.5	0.064	0.069	0.210	5.558	
5.5	0.030	0.097	0.070	6.669	
6.5	0.350	0.063	0.790	7.376	
7.5	0.225	0.070	0.596	9.210	
8.5	0.199	0.051	0.666	12.886	
9.5	0.608	0.061	0.916	16.946	EQUIPMENT
10.5					FAILURE.
11.5					CALIBRATION
12.5	0.829	0.041	0.978		AT 12:17
13.5	0.716	0.043	0.968		
14.5	0.635	0.051	0.943		
15.5	0.624	0.051	0.942		
16.5	0.629	0.024	0.987		
17.5	0.794	0.025	0.991		
18.5	0.577	0.051	0.933		
19.5	0.719	0.057	0.946		
20.5	0.097	0.077	0.281		
21.5	0.295	0.052	0.793		
22.5	0.134	0.051	0.519		
23.5	0.067	0.066	0.228		

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 28, 1987



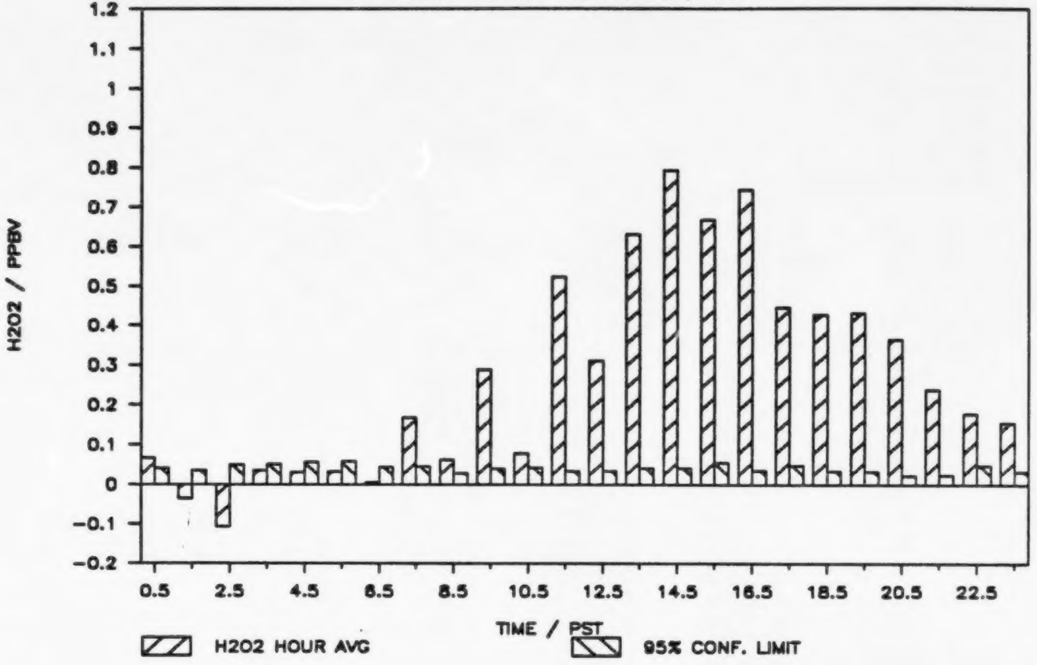


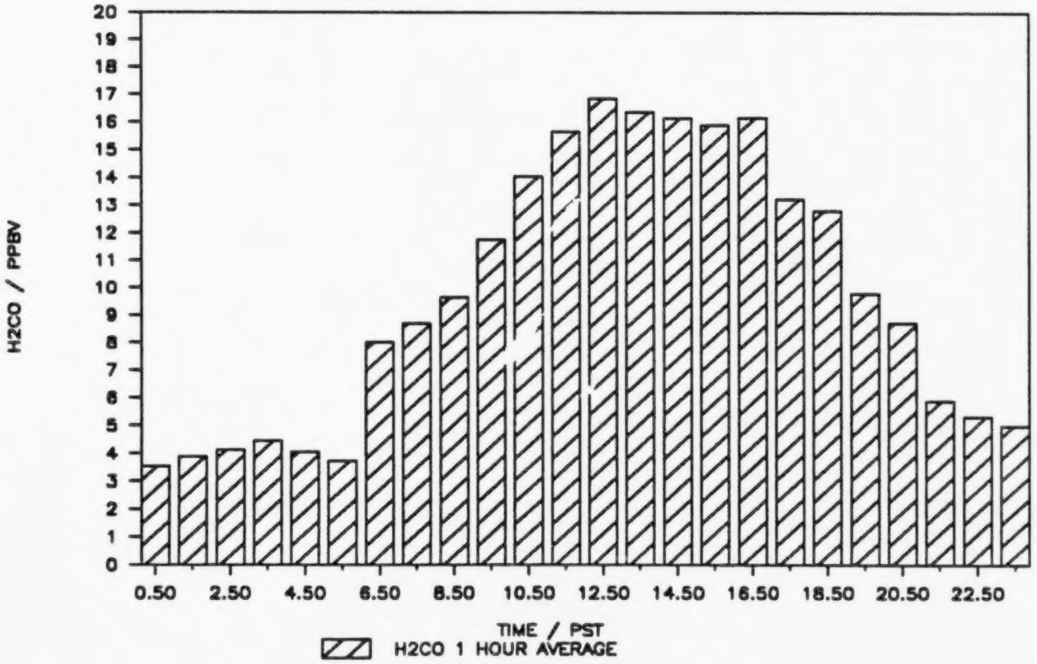
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H_2O_2, H_2CO
DATE: AUGUST 28, 1987
JULIAN DATE: 240

BLOCK TIME (PST)	H_2O_2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H_2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.175	0.039	0.721		
1.5	-0.083	0.054	-0.336		
2.5	0.047	0.040	0.257		
3.5	0.302	0.046	0.836		
4.5	0.308	0.073	0.697		
5.5	-0.023	0.079	-0.067		CALIBRATION
6.5	0.373	0.059	0.823		05:33 TO 06:04
7.5	0.526	0.064	0.885		
8.5	0.684	0.099	0.848		
9.5	0.073	0.067	0.243		
10.5	0.498	0.041	0.942		
11.5	0.438	0.028	0.964		
12.5	0.510	0.036	0.957		EQUIPMENT
13.5					REPAIRED.
14.5	0.712	0.056	0.946	13.641	CALIBRATION
15.5	0.432	0.044	0.916	12.702	AT 14:26
16.5	0.450	0.038	0.940	9.596	
17.5	0.426	0.043	0.918	7.586	
18.5	0.617	0.030	0.979	5.839	
19.5	0.265	0.055	0.742	3.525	
20.5	0.154	0.065	0.481	3.198	
21.5	0.176	0.060	0.559	3.486	
22.5	-0.016	0.043	-0.082	3.413	
23.5	0.115	0.033	0.626	3.640	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 29, 1987



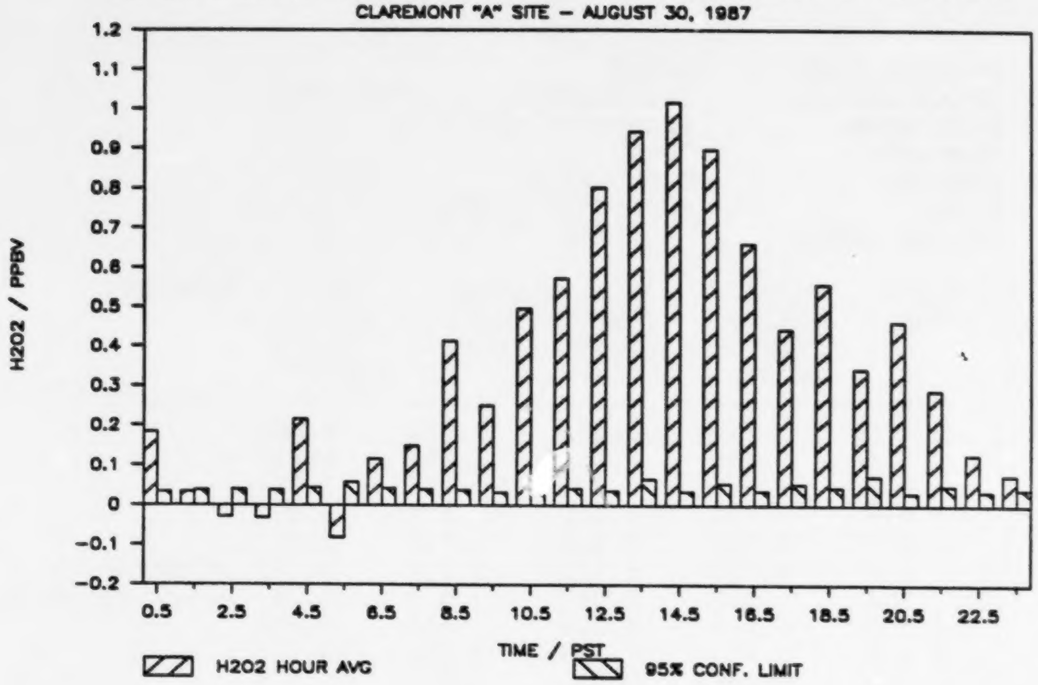


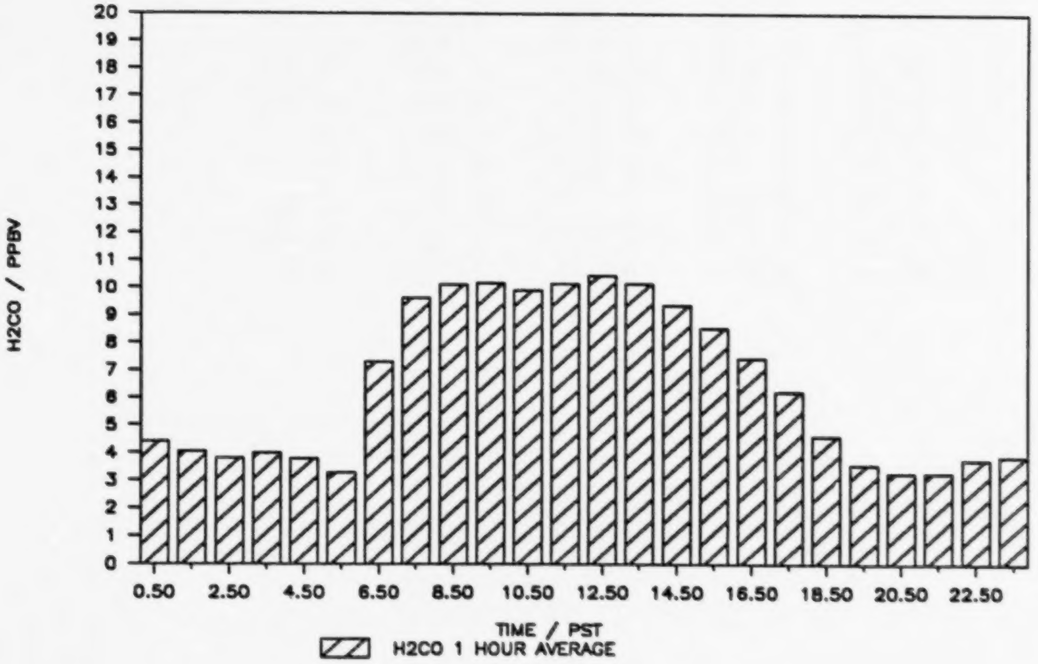
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 29, 1987
JULIAN DATE: 241

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.067	0.041	0.350	3.536	
1.5	-0.035	0.035	-0.222	3.890	
2.5	-0.107	0.050	-0.438	4.123	
3.5	0.036	0.052	0.158	4.437	
4.5	0.032	0.056	0.128	4.044	
5.5	0.033	0.059	0.129	3.714	CALIBRATION
6.5	0.006	0.044	0.033	8.005	05:31 TO 06:17
7.5	0.169	0.045	0.652	8.698	
8.5	0.062	0.029	0.446	9.650	
9.5	0.289	0.039	0.862	11.757	
10.5	0.078	0.043	0.386	14.033	
11.5	0.525	0.034	0.962	15.636	
12.5	0.312	0.034	0.905	16.849	
13.5	0.632	0.041	0.963	16.363	
14.5	0.793	0.042	0.975	16.138	
15.5	0.668	0.056	0.941	15.887	
16.5	0.744	0.035	0.980	16.158	
17.5	0.446	0.048	0.906	13.230	
18.5	0.427	0.034	0.944	12.797	
19.5	0.432	0.032	0.952	9.778	
20.5	0.365	0.023	0.965	8.704	
21.5	0.239	0.024	0.915	5.873	
22.5	0.178	0.048	0.646	5.309	
23.5	0.155	0.033	0.734	4.989	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 30, 1987



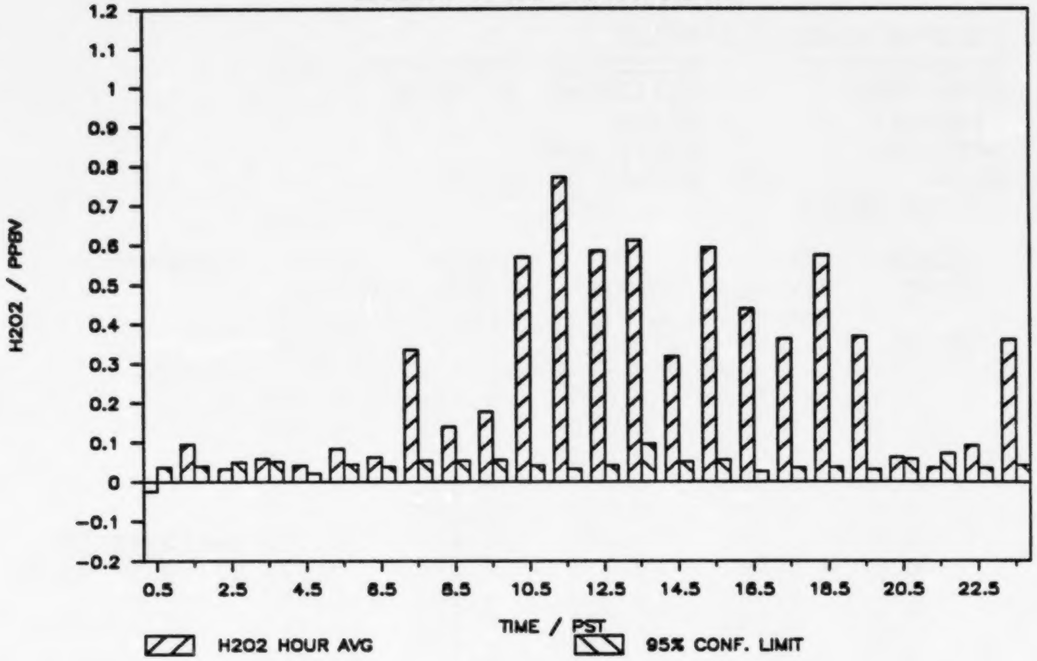


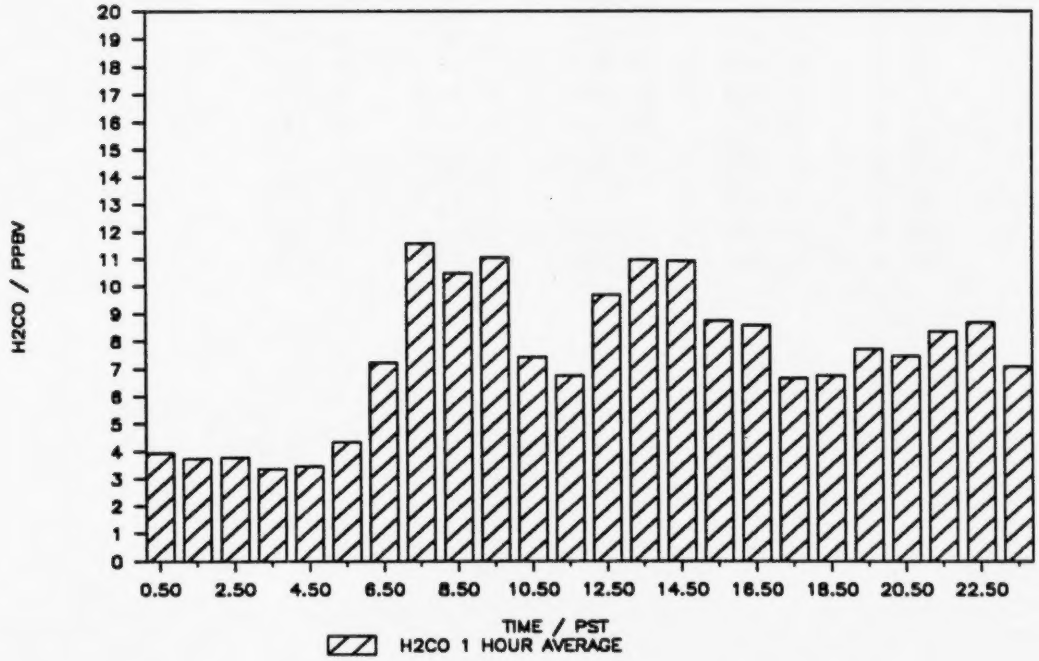
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 30, 1987
JULIAN DATE: 242

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.184	0.034	0.782	4.402	
1.5	0.035	0.039	0.204	4.031	
2.5	-0.028	0.040	-0.161	3.811	
3.5	-0.031	0.039	-0.184	3.985	
4.5	0.215	0.044	0.750	3.790	
5.5	-0.080	0.058	-0.304	3.282	
6.5	0.117	0.043	0.534	7.287	CALIBRATION 05:22 TO 06:39
7.5	0.148	0.040	0.650	9.633	
8.5	0.413	0.039	0.926	10.105	
9.5	0.250	0.033	0.868	10.176	
10.5	0.495	0.027	0.972	9.915	
11.5	0.573	0.043	0.951	10.154	
12.5	0.803	0.037	0.981	10.458	
13.5	0.943	0.067	0.956	10.158	
14.5	1.017	0.036	0.988	9.365	
15.5	0.898	0.056	0.966	8.537	
16.5	0.662	0.037	0.972	7.441	
17.5	0.442	0.054	0.885	6.228	
18.5	0.558	0.045	0.943	4.617	
19.5	0.343	0.074	0.732	3.583	
20.5	0.462	0.031	0.961	3.275	
21.5	0.289	0.049	0.803	3.282	
22.5	0.127	0.035	0.641	3.759	
23.5	0.076	0.042	0.388	3.879	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – AUGUST 31, 1987



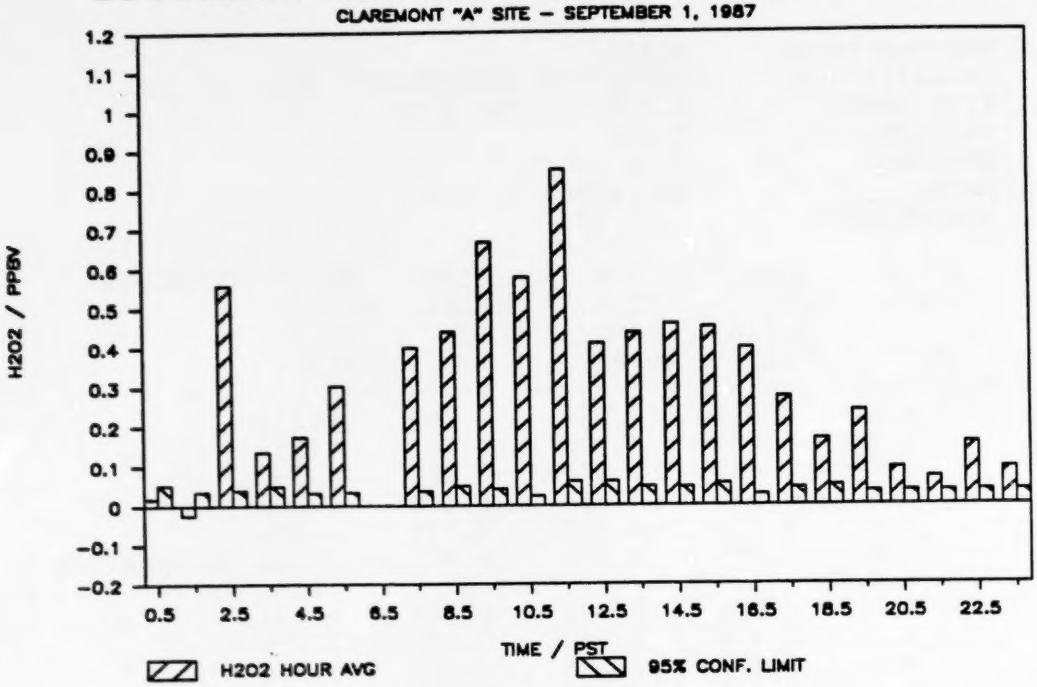


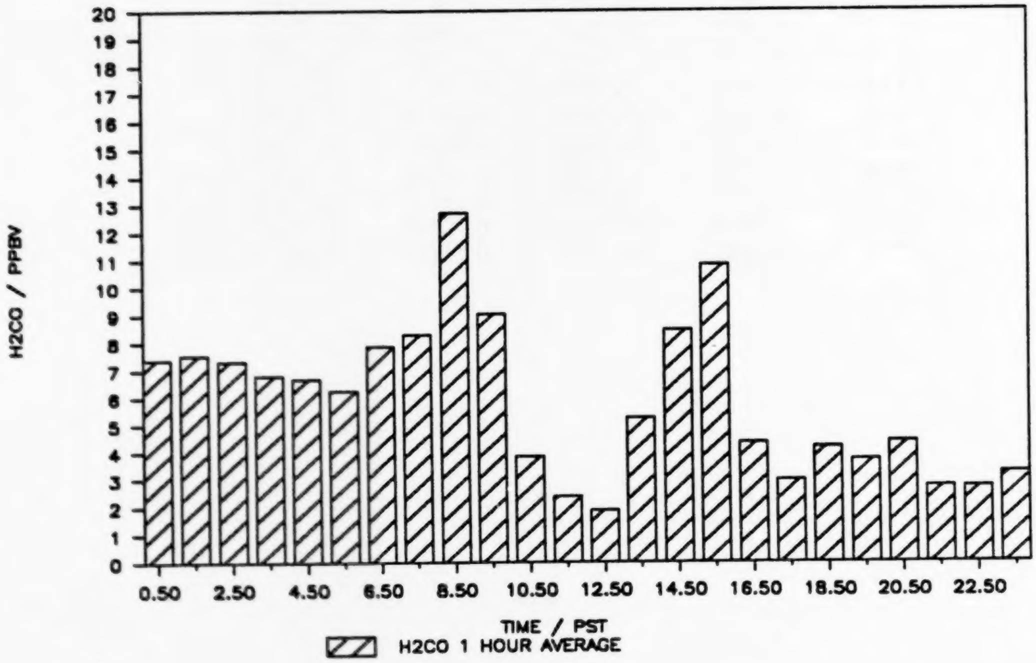
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: AUGUST 31, 1987
JULIAN DATE: 243

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.024	0.037	-0.148	3.930	
1.5	0.095	0.040	0.481	3.736	
2.5	0.032	0.049	0.149	3.779	
3.5	0.058	0.051	0.254	3.364	
4.5	0.040	0.022	0.388	3.461	
5.5	0.084	0.044	0.403	4.343	CALIBRATION
6.5	0.062	0.039	0.348	7.228	05:34 TO 06:20
7.5	0.335	0.053	0.824	11.563	
8.5	0.140	0.053	0.518	10.469	
9.5	0.177	0.055	0.599	11.046	
10.5	0.569	0.042	0.953	7.430	
11.5	0.771	0.032	0.984	6.747	
12.5	0.585	0.041	0.956	9.677	
13.5	0.611	0.095	0.828	10.957	
14.5	0.317	0.052	0.814	10.911	
15.5	0.593	0.056	0.926	8.740	
16.5	0.439	0.027	0.966	8.568	
17.5	0.362	0.036	0.919	6.654	
18.5	0.573	0.038	0.962	6.749	
19.5	0.368	0.031	0.939	7.709	
20.5	0.063	0.058	0.241	7.460	
21.5	0.035	0.073	0.110	8.345	
22.5	0.092	0.035	0.515	8.661	
23.5	0.361	0.042	0.893	7.074	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – SEPTEMBER 1, 1987



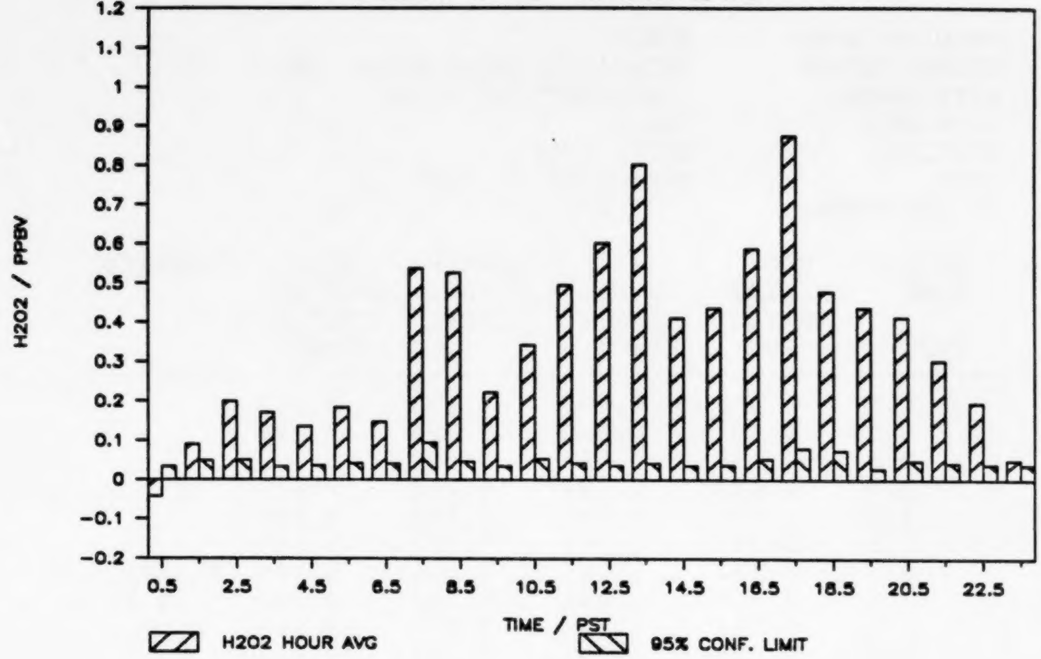


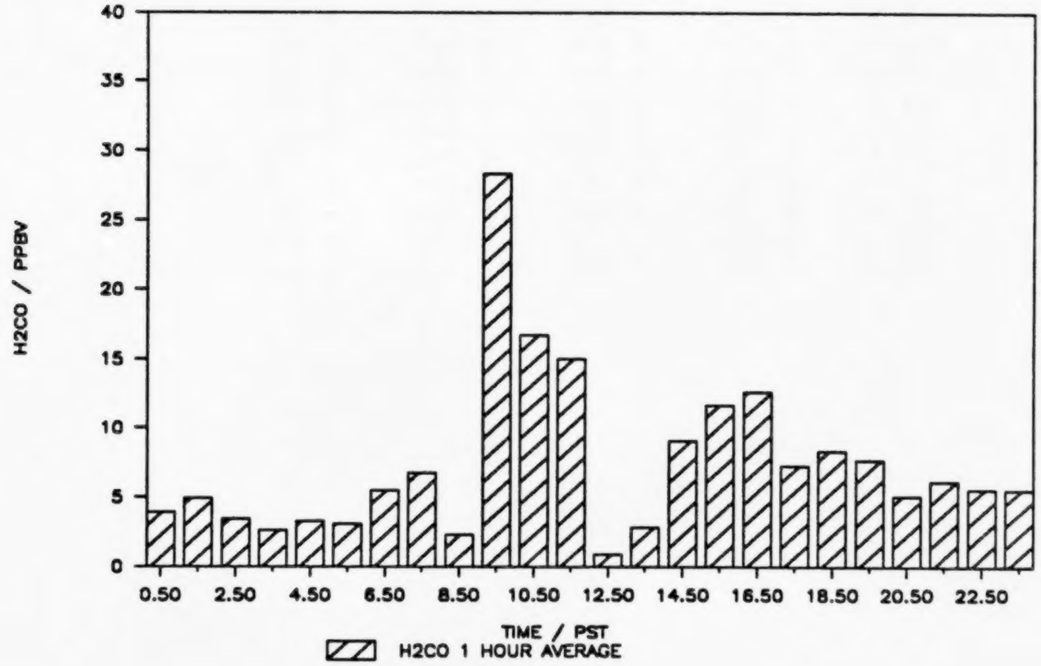
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: SEPTEMBER 1, 1987
JULIAN DATE: 244

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.019	0.052	0.083	7.385	
1.5	-0.024	0.035	-0.154	7.536	
2.5	0.557	0.040	0.955	7.330	
3.5	0.136	0.050	0.532	6.800	
4.5	0.174	0.033	0.775	6.676	
5.5	0.303	0.033	0.903	6.244	CALIBRATION
6.5				7.861	06:10 TO 06:51
7.5	0.398	0.038	0.926	8.292	
8.5	0.440	0.050	0.895	12.708	
9.5	0.666	0.043	0.963	9.040	
10.5	0.577	0.023	0.985	3.833	
11.5	0.851	0.060	0.956	2.380	
12.5	0.409	0.060	0.844	1.874	
13.5	0.435	0.048	0.903	5.255	
14.5	0.459	0.047	0.913	8.451	
15.5	0.451	0.055	0.883	10.816	
16.5	0.398	0.027	0.960	4.343	
17.5	0.273	0.044	0.821	2.966	
18.5	0.167	0.049	0.618	4.191	
19.5	0.238	0.033	0.855	3.724	
20.5	0.093	0.036	0.514	4.391	
21.5	0.070	0.035	0.416	2.745	
22.5	0.158	0.037	0.699	2.725	
23.5	0.092	0.037	0.502	3.257	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – SEPTEMBER 2, 1987



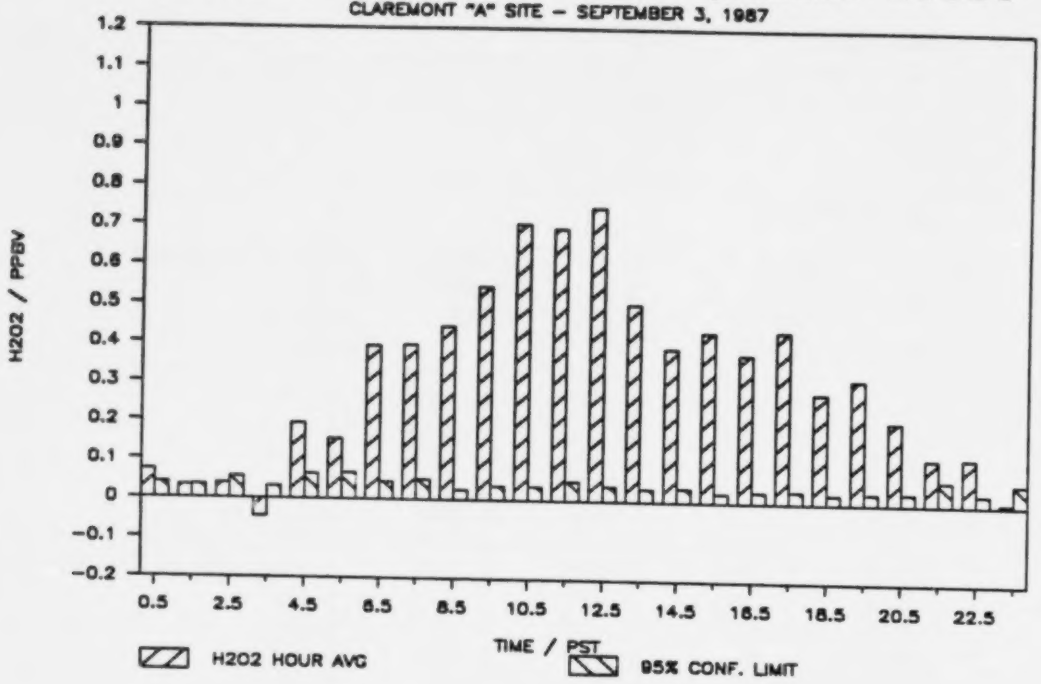


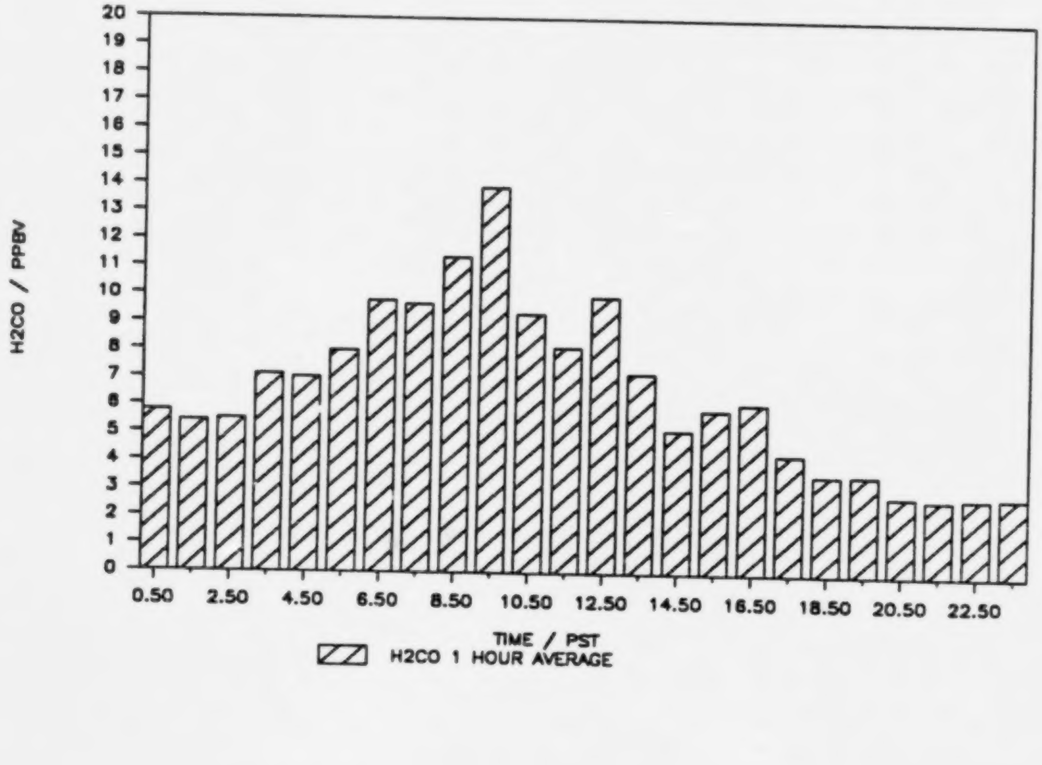
PROGRAM NAME:	SCAQS
ORGANIZATION	UNISEARCH ASSOCIATES, INC.
SITE NAME:	CLAREMONT "A" SITE
SAMPLER:	TDLAS
SPECIES:	H2O2, H2CO
DATE:	SEPTEMBER 2, 1987
JULIAN DATE:	245

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.043	0.034	-0.279	3.900	
1.5	0.091	0.049	0.395	4.928	
2.5	0.199	0.051	0.666	3.422	
3.5	0.172	0.034	0.761	2.623	
4.5	0.136	0.037	0.649	3.264	
5.5	0.184	0.043	0.702	3.067	
6.5	0.147	0.041	0.641	5.495	CALIBRATION
7.5	0.538	0.095	0.792	6.750	06:48 TO 07:42
8.5	0.527	0.046	0.935	2.289	
9.5	0.222	0.035	0.823	28.324	
10.5	0.343	0.053	0.832	16.693	
11.5	0.496	0.042	0.939	15.008	
12.5	0.603	0.037	0.966	0.909	
13.5	0.802	0.043	0.974	2.829	
14.5	0.412	0.037	0.931	9.063	
15.5	0.437	0.038	0.937	11.664	
16.5	0.589	0.053	0.931	12.634	
17.5	0.875	0.081	0.929	7.262	
18.5	0.478	0.075	0.825	8.321	
19.5	0.438	0.028	0.963	7.691	
20.5	0.413	0.050	0.884	5.109	
21.5	0.303	0.042	0.858	6.153	
22.5	0.196	0.039	0.758	5.571	
23.5	0.051	0.038	0.293	5.520	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

CLAREMONT "A" SITE – SEPTEMBER 3, 1987



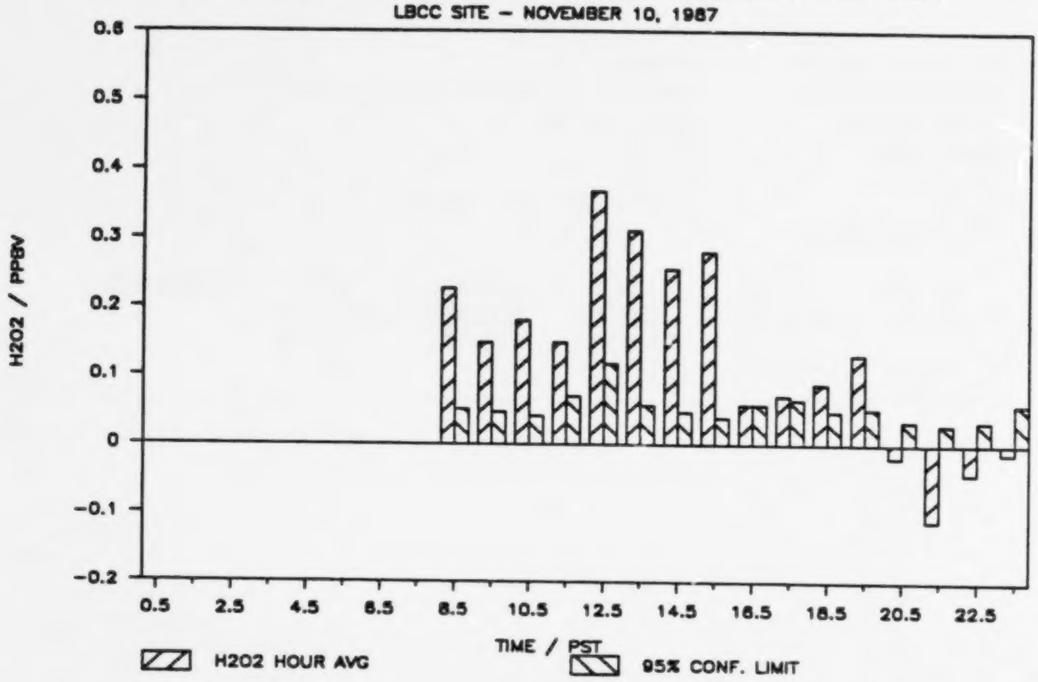


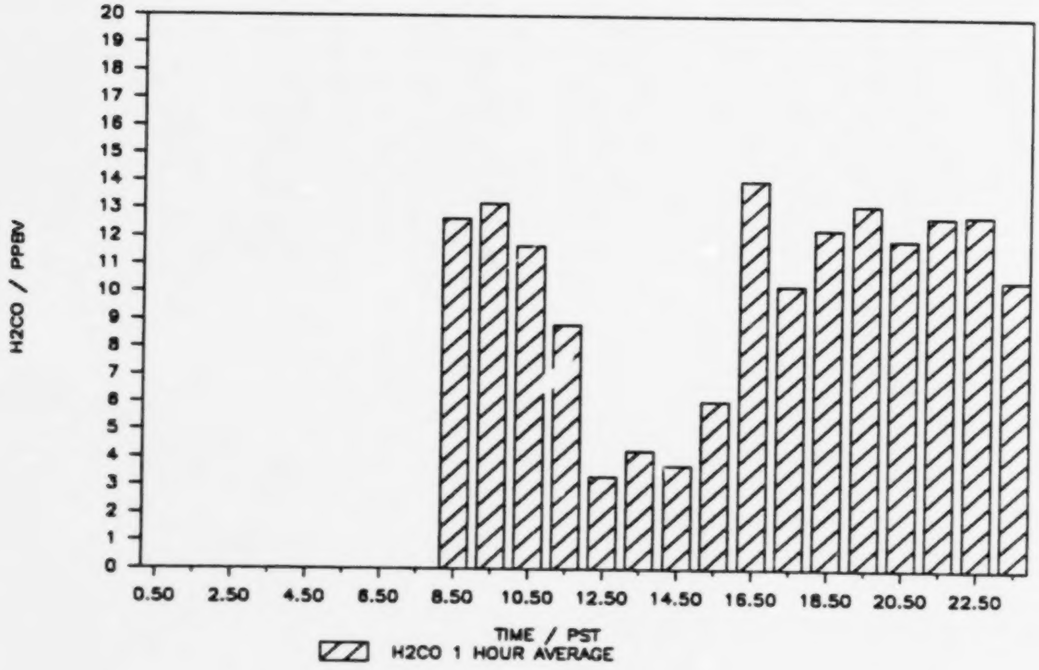
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: CLAREMONT "A" SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: SEPTEMBER 3, 1987
JULIAN DATE: 246

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.072	0.039	0.394	5.788	
1.5	0.032	0.034	0.208	5.408	
2.5	0.038	0.055	0.157	5.497	
3.5	-0.046	0.031	-0.317	7.115	
4.5	0.193	0.064	0.569	7.016	
5.5	0.154	0.067	0.466	7.973	CALIBRATION
6.5	0.394	0.044	0.899	9.784	05:32 TO 06:01
7.5	0.396	0.051	0.874	9.662	
8.5	0.445	0.025	0.971	11.361	
9.5	0.546	0.035	0.964	13.892	
10.5	0.707	0.035	0.977	9.315	
11.5	0.695	0.049	0.956	8.134	
12.5	0.749	0.038	0.977	9.956	
13.5	0.504	0.033	0.963	7.194	
14.5	0.392	0.035	0.933	5.144	
15.5	0.434	0.024	0.971	5.880	
16.5	0.378	0.028	0.951	6.123	
17.5	0.437	0.031	0.955	4.302	
18.5	0.280	0.023	0.941	3.581	
19.5	0.315	0.028	0.935	3.590	
20.5	0.209	0.030	0.846	2.859	
21.5	0.116	0.060	0.407	2.745	
22.5	0.119	0.028	0.704	2.804	
23.5	0.008	0.055	0.032	2.840	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 10, 1987



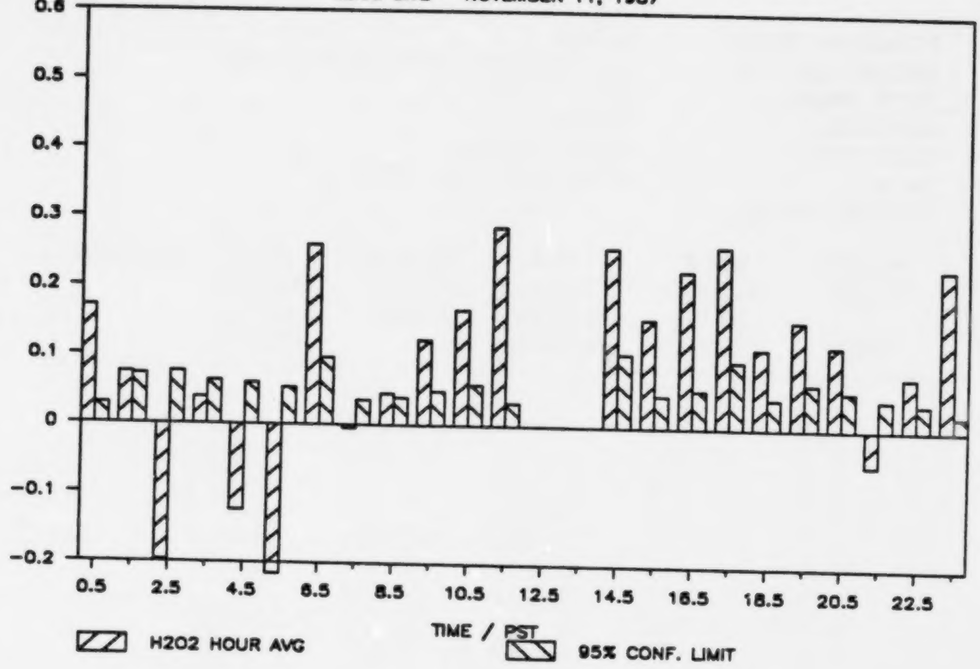


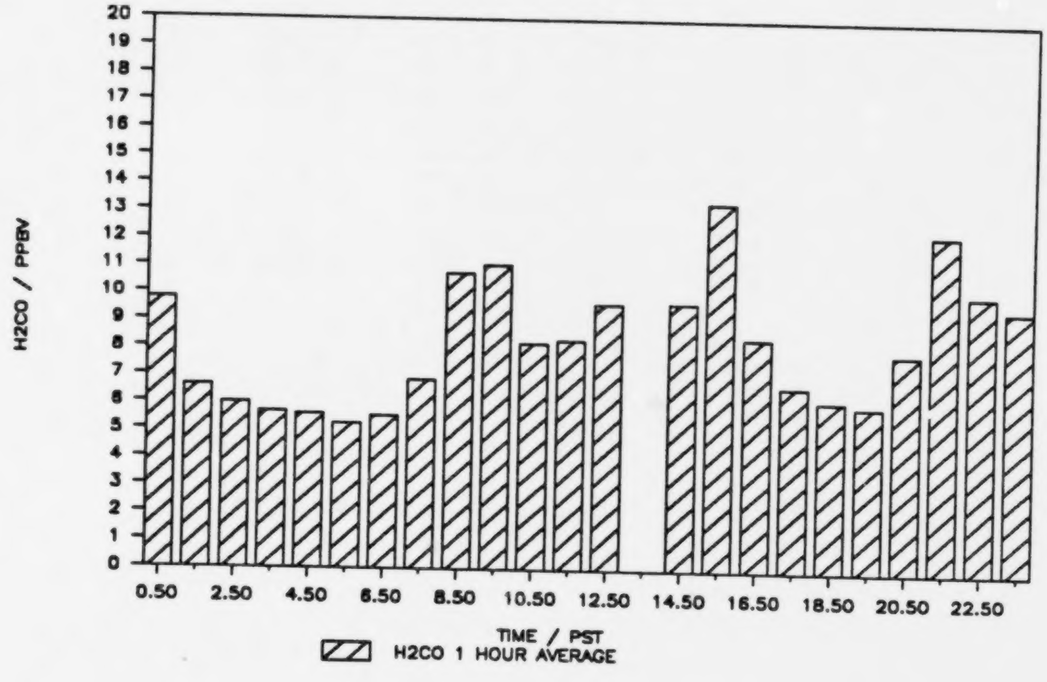
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 10, 1987
JULIAN DATE: 314

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5					
1.5					
2.5					
3.5					
4.5					
5.5					
6.5					
7.5					
8.5	0.226	0.051	0.715	12.643	CALIBRATION AT 08:21
9.5	0.148	0.047	0.587	13.188	
10.5	0.181	0.041	0.708	11.659	
11.5	0.148	0.069	0.441	8.813	
12.5	0.368	0.118	0.585	3.314	
13.5	0.311	0.057	0.784	4.251	
14.5	0.256	0.047	0.784	3.720	
15.5	0.281	0.039	0.857	6.041	
16.5	0.057	0.058	0.222	14.037	
17.5	0.070	0.065	0.243	10.247	
18.5	0.087	0.047	0.391	12.301	
19.5	0.130	0.052	0.502	13.173	
20.5	-0.018	0.034	-0.123	11.927	
21.5	-0.111	0.029	-0.664	12.749	
22.5	-0.042	0.034	-0.278	12.812	
23.5	-0.013	0.058	-0.050	10.475	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 11, 1987



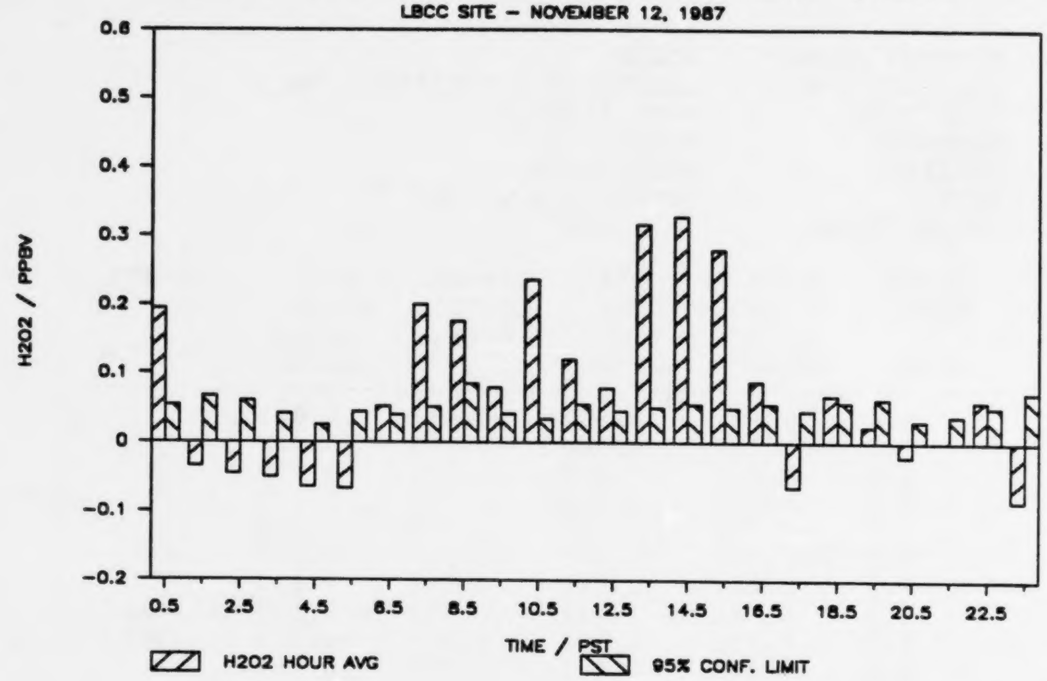


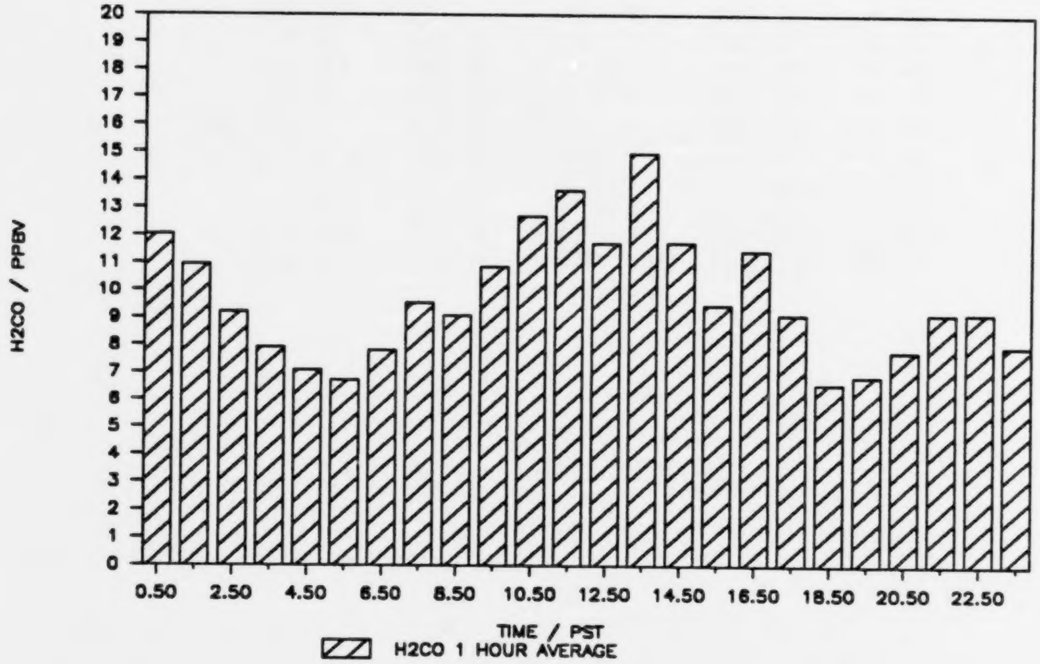
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 11, 1987
JULIAN DATE: 315

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.171	0.029	0.803	9.781	
1.5	0.074	0.072	0.233	6.621	
2.5	-0.197	0.076	-0.514	5.982	
3.5	0.039	0.063	0.142	5.654	
4.5	-0.124	0.060	-0.430	5.586	
5.5	-0.228	0.053	-0.702	5.238	
6.5	0.260	0.097	0.526	5.511	
7.5	-0.005	0.036	-0.030	6.831	
8.5	0.045	0.040	0.251	10.739	
9.5	0.124	0.049	0.506	11.033	
10.5	0.167	0.059	0.543	8.195	
11.5	0.287	0.033	0.895	8.306	CALIBRATION
12.5				9.643	12:26 TO 14:21
13.5					
14.5	0.259	0.107	0.487	9.690	
15.5	0.157	0.047	0.615	13.344	
16.5	0.227	0.055	0.689	8.416	
17.5	0.262	0.097	0.529	6.678	
18.5	0.116	0.044	0.520	6.166	
19.5	0.156	0.065	0.482	5.975	
20.5	0.121	0.055	0.449	7.871	
21.5	-0.051	0.044	-0.258	12.243	
22.5	0.077	0.038	0.420	10.067	
23.5	0.233	0.022	0.925	9.516	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 12, 1987



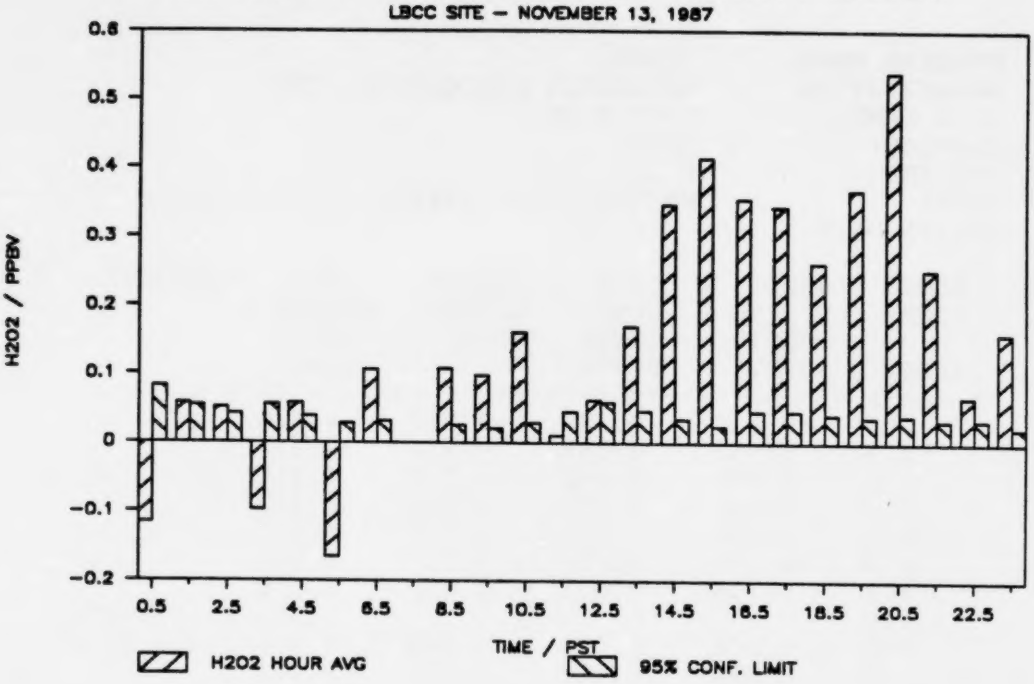


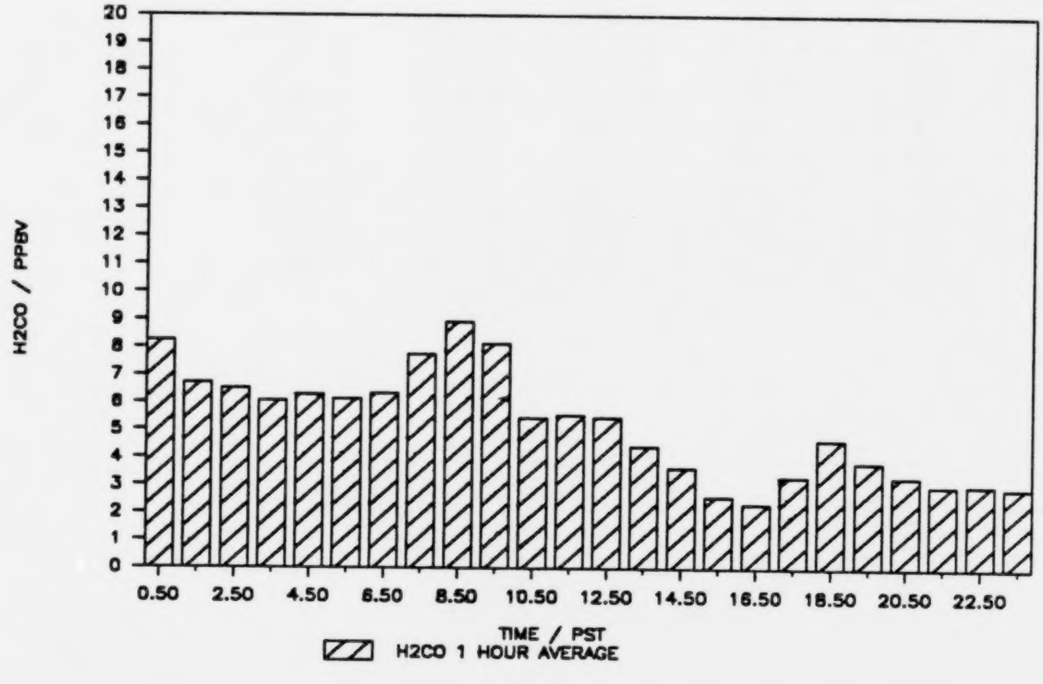
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 12, 1987
JULIAN DATE: 316

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.194	0.053	0.644	12.033	
1.5	-0.034	0.066	-0.119	10.947	
2.5	-0.045	0.060	-0.171	9.198	
3.5	-0.050	0.041	-0.274	7.897	
4.5	-0.064	0.025	-0.509	7.084	
5.5	-0.066	0.044	-0.327	6.710	
6.5	0.052	0.040	0.284	7.813	
7.5	0.201	0.051	0.674	9.555	CALIBRATION
8.5	0.176	0.085	0.433	9.079	07:49 TO 08:23
9.5	0.079	0.041	0.407	10.862	
10.5	0.237	0.034	0.847	12.693	
11.5	0.121	0.055	0.451	13.621	
12.5	0.078	0.045	0.373	11.717	
13.5	0.317	0.050	0.826	14.959	
14.5	0.328	0.055	0.811	11.751	
15.5	0.280	0.049	0.796	9.464	
16.5	0.087	0.055	0.343	11.437	
17.5	-0.064	0.045	-0.312	9.112	
18.5	0.067	0.057	0.264	6.588	
19.5	0.023	0.062	0.087	6.860	
20.5	-0.020	0.031	-0.147	7.779	
21.5	0.000	0.038	0.002	9.154	
22.5	0.059	0.051	0.257	9.179	
23.5	-0.084	0.072	-0.259	7.981	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 13, 1987



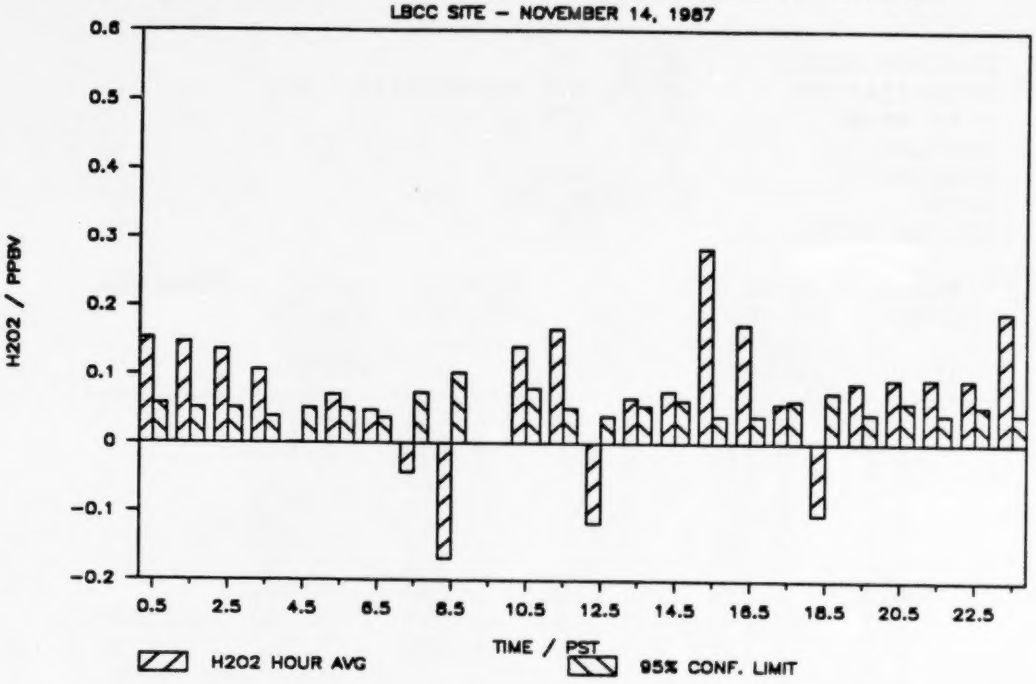


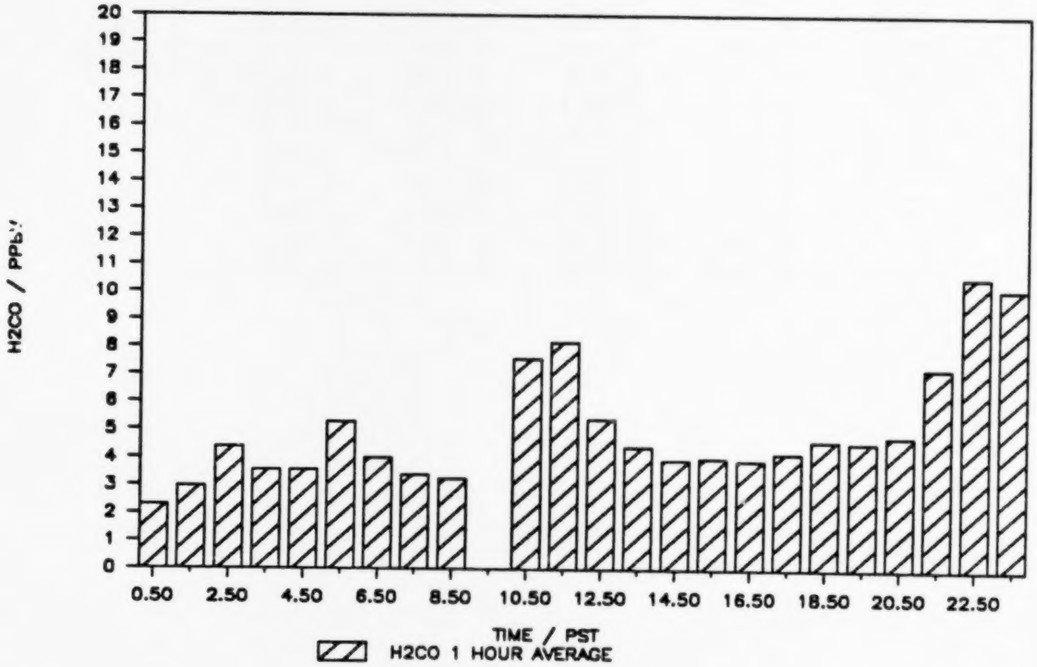
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 13, 1987
JULIAN DATE: 317

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.116	0.082	-0.310	8.245	
1.5	0.057	0.054	0.234	6.707	
2.5	0.051	0.042	0.273	6.501	
3.5	-0.097	0.056	-0.368	6.057	
4.5	0.057	0.039	0.320	6.277	
5.5	-0.165	0.028	-0.807	6.132	
6.5	0.106	0.032	0.606	6.325	
7.5				7.737	CALIBRATION
8.5	0.108	0.026	0.686	8.918	07:16 TO 07:47
9.5	0.098	0.021	0.737	8.133	
10.5	0.161	0.029	0.786	5.441	
11.5	0.011	0.045	0.054	5.543	
12.5	0.062	0.059	0.234	5.462	
13.5	0.170	0.047	0.640	4.421	
14.5	0.347	0.035	0.915	3.625	
15.5	0.414	0.024	0.970	2.582	
16.5	0.355	0.046	0.870	2.317	
17.5	0.344	0.046	0.864	3.300	
18.5	0.262	0.041	0.827	4.636	
19.5	0.367	0.037	0.916	3.838	
20.5	0.540	0.040	0.952	3.307	
21.5	0.252	0.033	0.867	2.989	
22.5	0.067	0.034	0.411	3.012	
23.5	0.159	0.022	0.861	2.905	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 14, 1987



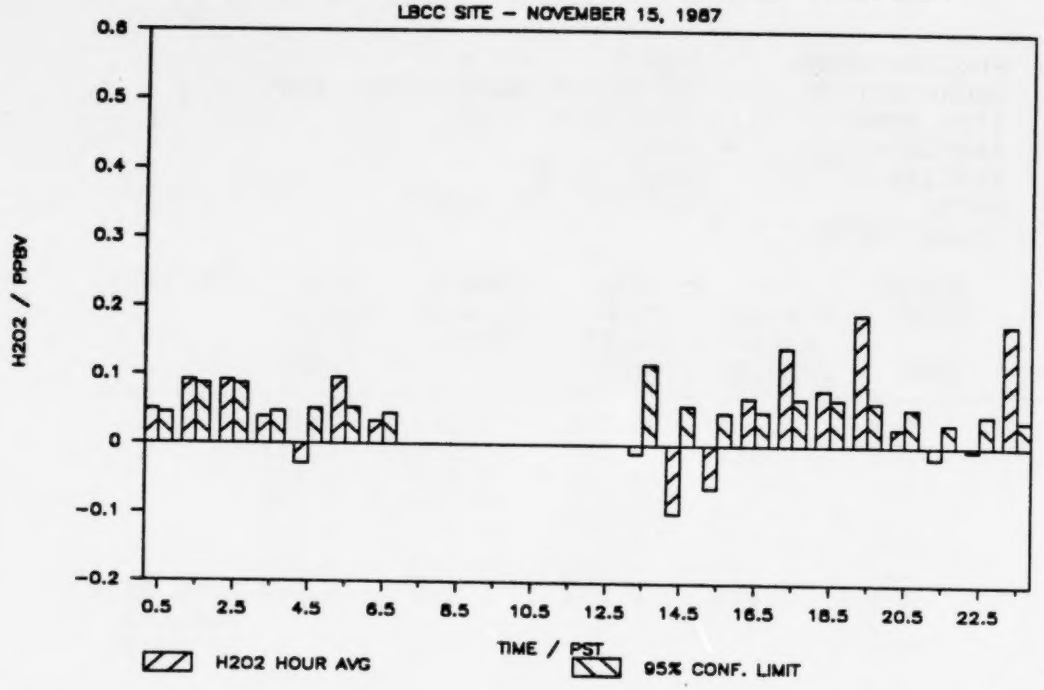


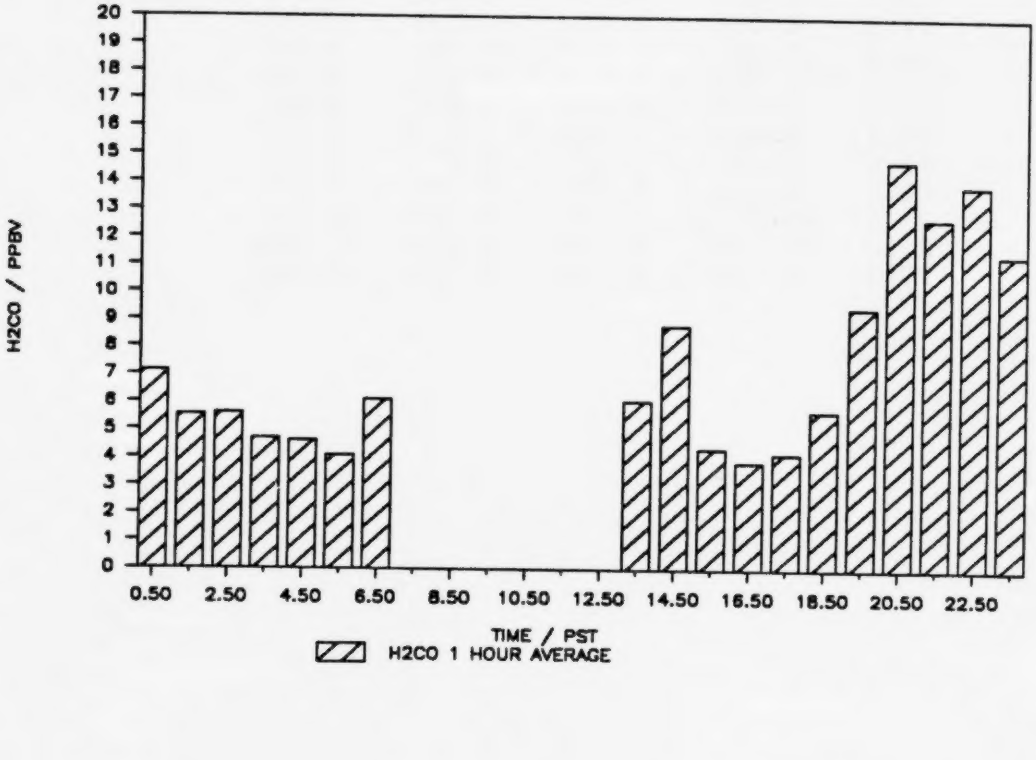
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 14, 1987
JULIAN DATE: 318

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.153	0.057	0.525	2.298	
1.5	0.146	0.051	0.550	2.978	
2.5	0.136	0.051	0.524	4.388	
3.5	0.107	0.039	0.535	3.556	
4.5	0.001	0.051	0.004	3.556	
5.5	0.070	0.051	0.300	5.285	
6.5	0.048	0.037	0.285	3.985	
7.5	-0.043	0.074	-0.133	3.382	CALIBRATION
8.5	-0.168	0.102	-0.354	3.230	07:14 TO 07:57
9.5					NO DATA
10.5	0.141	0.080	0.375	7.549	09:11 TO 10:13
11.5	0.167	0.051	0.599	8.157	
12.5	-0.116	0.040	-0.562	5.375	
13.5	0.066	0.054	0.268	4.388	
14.5	0.076	0.062	0.269	3.918	
15.5	0.285	0.040	0.855	3.993	
16.5	0.173	0.040	0.708	3.902	
17.5	0.057	0.063	0.207	4.155	
18.5	-0.103	0.074	-0.306	4.612	
19.5	0.088	0.044	0.419	4.549	
20.5	0.094	0.060	0.340	4.775	
21.5	0.095	0.043	0.452	7.220	
22.5	0.093	0.055	0.363	10.531	
23.5	0.192	0.045	0.704	10.105	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 15, 1987



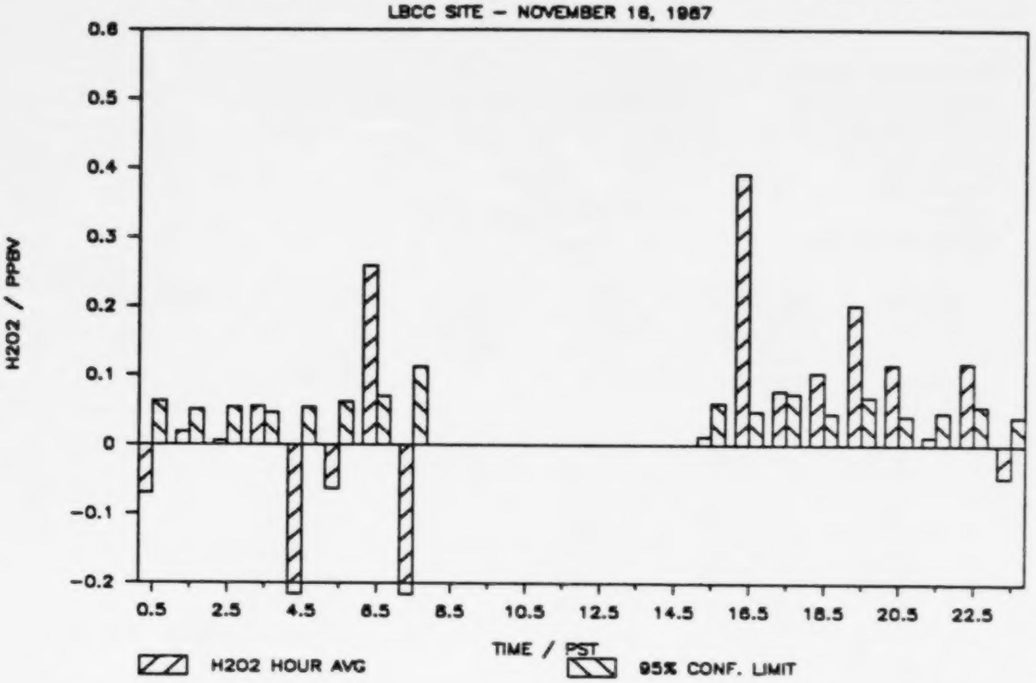


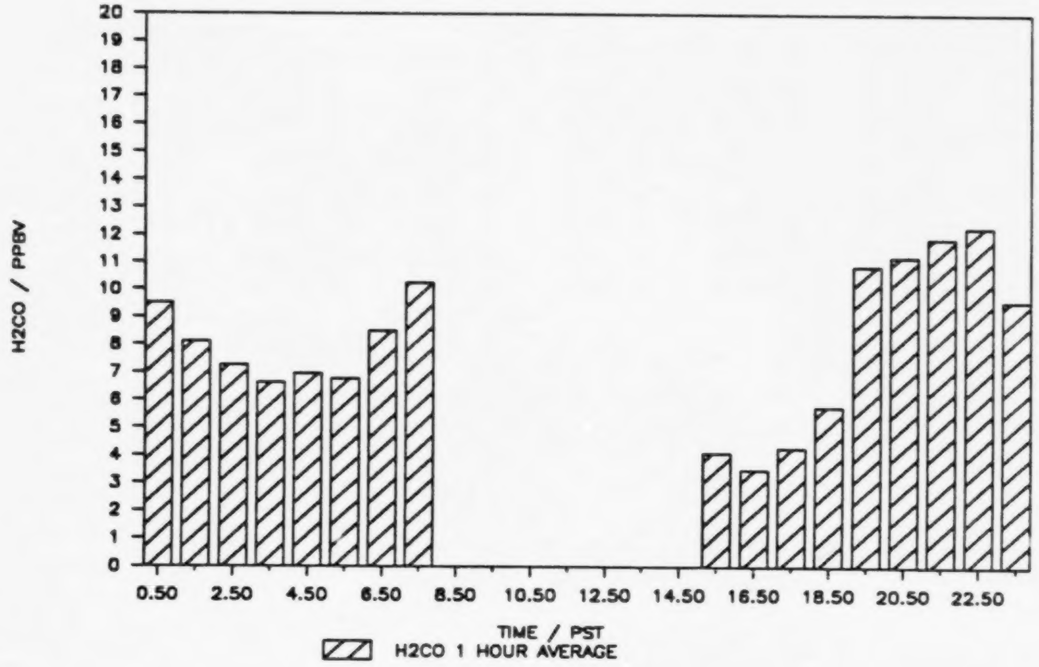
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 15, 1987
JULIAN DATE: 319

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.049	0.045	0.244	7.127	
1.5	0.092	0.088	0.236	5.541	
2.5	0.092	0.088	0.236	5.600	
3.5	0.039	0.047	0.189	4.691	
4.5	-0.029	0.051	-0.130	4.609	
5.5	0.097	0.052	0.391	4.090	
6.5	0.033	0.044	0.168	6.096	HARD DISK FAILURE AT 06:51
7.5					
8.5					
9.5					
10.5					
11.5					
12.5					
13.5	-0.013	0.117	-0.025	6.063	CALIBRATION AT 13:39
14.5	-0.099	0.057	-0.369	8.793	
15.5	-0.061	0.048	-0.282	4.342	
16.5	0.070	0.049	0.312	3.854	
17.5	0.143	0.069	0.432	4.153	
18.5	0.082	0.068	0.266	5.692	
19.5	0.192	0.064	0.571	9.461	
20.5	0.026	0.055	0.106	14.774	
21.5	-0.017	0.033	-0.117	12.713	
22.5	-0.005	0.046	-0.024	13.884	
23.5	0.178	0.038	0.731	11.366	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 16, 1987



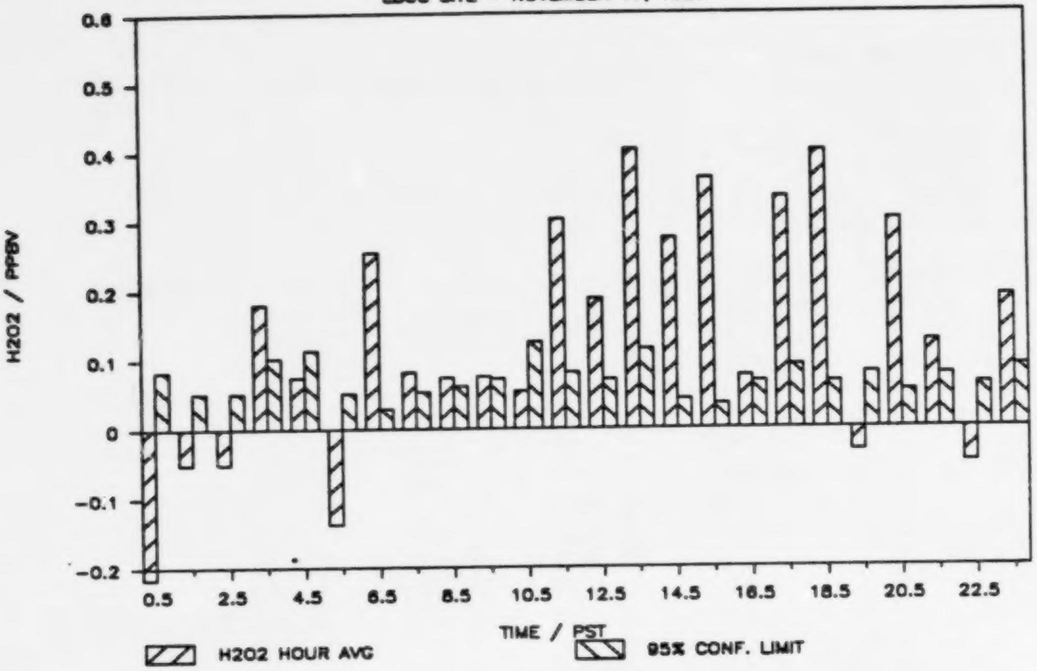


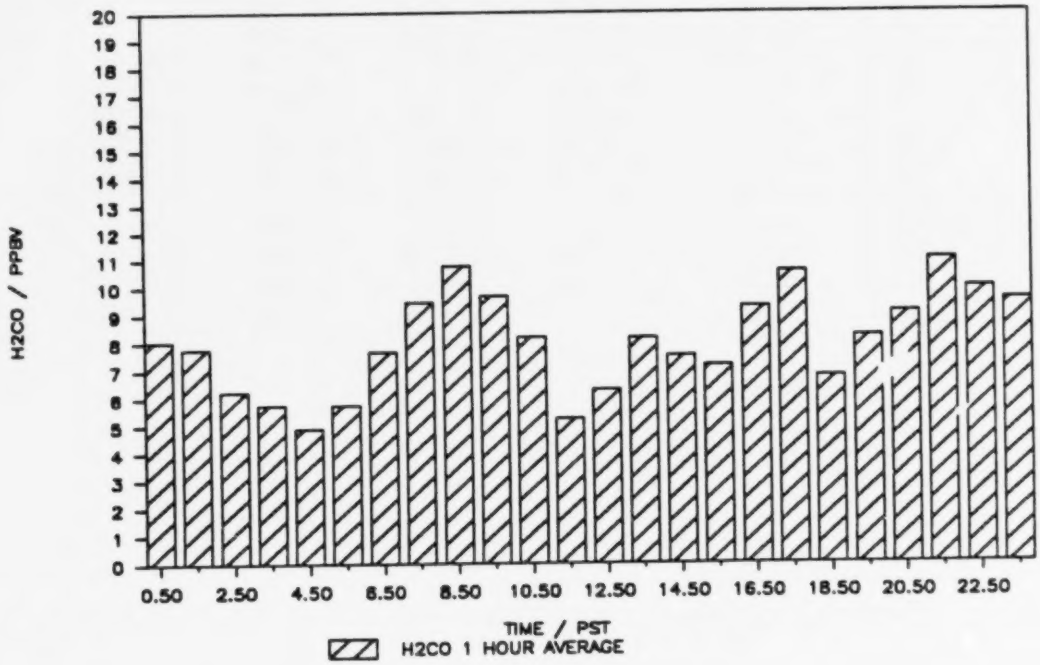
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 16, 1987
JULIAN DATE: 320

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.069	0.062	-0.248	9.492	
1.5	0.019	0.050	0.085	8.112	
2.5	0.005	0.053	0.023	7.245	
3.5	0.055	0.046	0.264	6.631	
4.5	-0.254	0.053	-0.739	6.960	
5.5	-0.063	0.062	-0.230	6.772	
6.5	0.259	0.070	0.650	8.489	
7.5	-0.227	0.112	-0.422	10.220	DATA UNTIL
8.5					07:37
9.5					
10.5					
11.5					
12.5					
13.5					
14.5					CALIBRATION
15.5	0.012	0.060	0.045	4.103	AT 15:16
16.5	0.391	0.049	0.881	3.491	
17.5	0.078	0.074	0.237	4.295	
18.5	0.103	0.045	0.468	5.754	
19.5	0.202	0.069	0.560	10.869	
20.5	0.116	0.042	0.535	11.208	
21.5	0.012	0.047	0.059	11.863	
22.5	0.118	0.056	0.436	12.285	
23.5	-0.046	0.041	-0.250	9.579	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 17, 1987



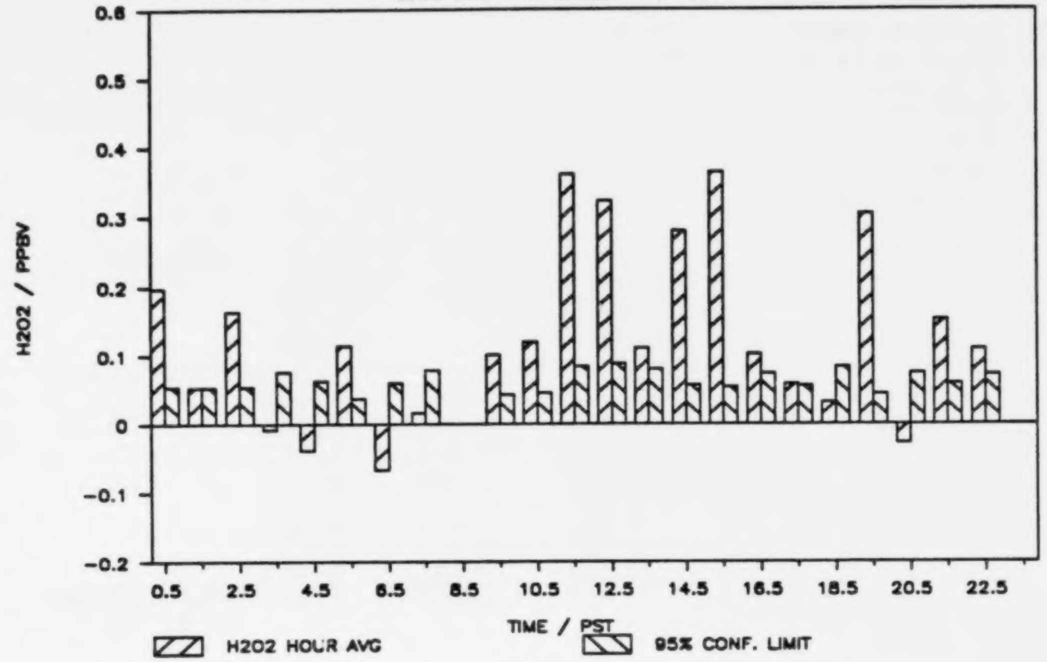


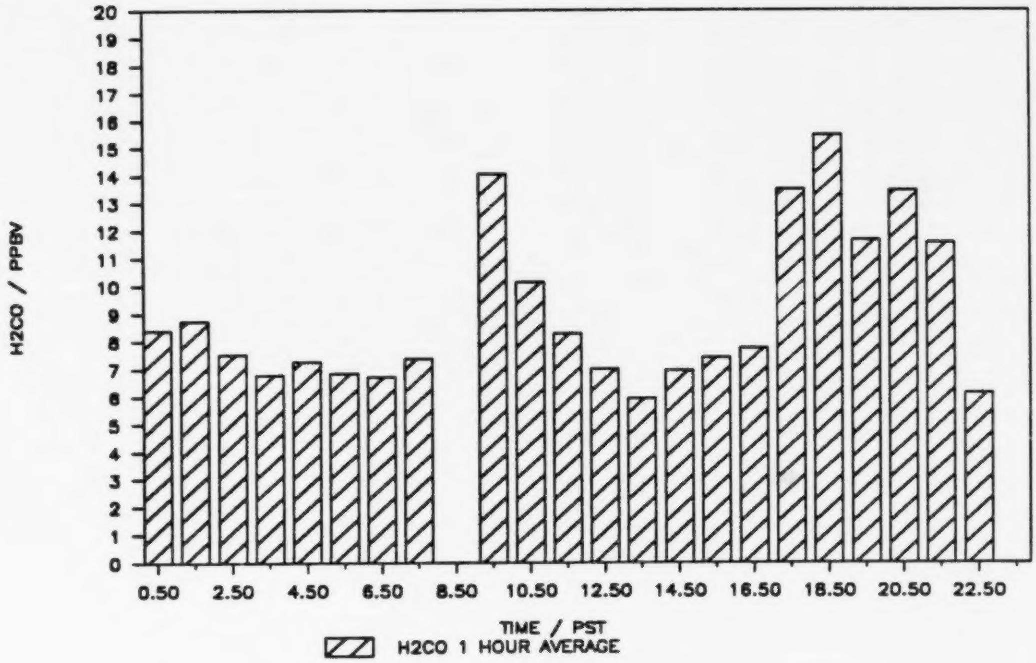
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: NOVEMBER 17, 1987
JULIAN DATE: 321

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.202	0.083	-0.488	8.030	
1.5	-0.051	0.052	-0.220	7.760	
2.5	-0.051	0.052	-0.220	6.232	
3.5	0.180	0.102	0.375	5.738	
4.5	0.074	0.113	0.149	4.888	
5.5	-0.137	0.052	-0.519	5.743	
6.5	0.255	0.029	0.898	7.648	
7.5	0.082	0.053	0.333	9.443	CALIBRATION
8.5	0.073	0.061	0.266	10.765	07:22 TO 07:58
9.5	0.075	0.072	0.235	9.667	
10.5	0.054	0.124	0.099	8.162	
11.5	0.303	0.081	0.654	5.239	
12.5	0.187	0.070	0.523	6.287	
13.5	0.402	0.114	0.632	8.145	
14.5	0.275	0.042	0.831	7.498	
15.5	0.360	0.035	0.920	7.148	
16.5	0.075	0.067	0.250	9.284	
17.5	0.333	0.090	0.649	10.563	
18.5	0.400	0.066	0.812	6.760	
19.5	-0.032	0.079	-0.094	8.197	
20.5	0.301	0.053	0.794	9.083	
21.5	0.125	0.077	0.350	10.995	
22.5	-0.049	0.063	-0.178	9.966	
23.5	0.190	0.089	0.441	9.517	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – NOVEMBER 18, 1987



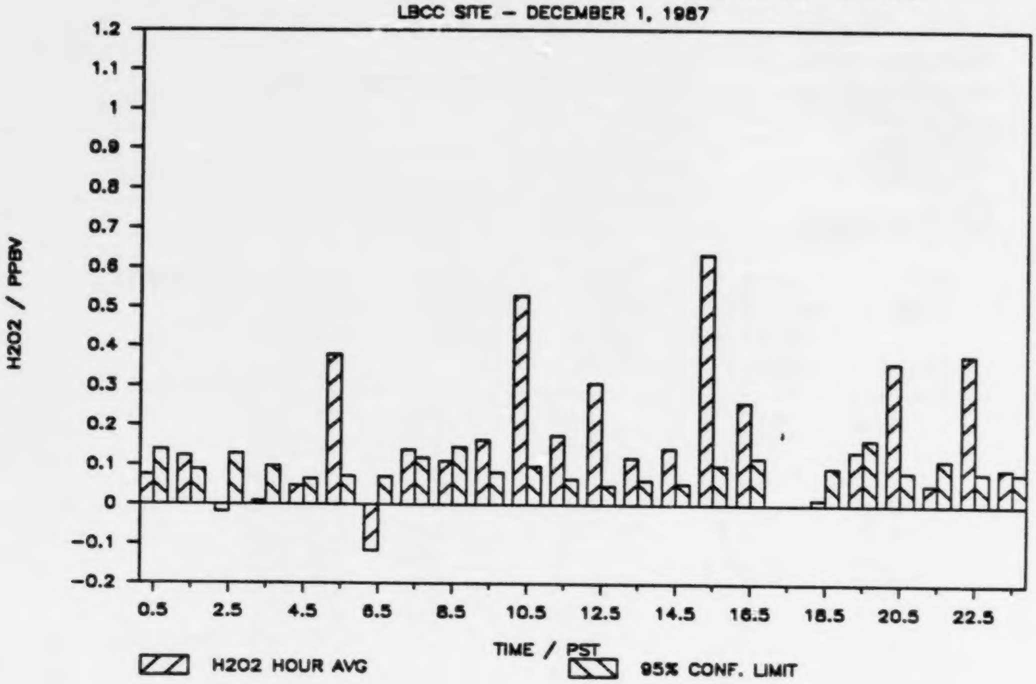


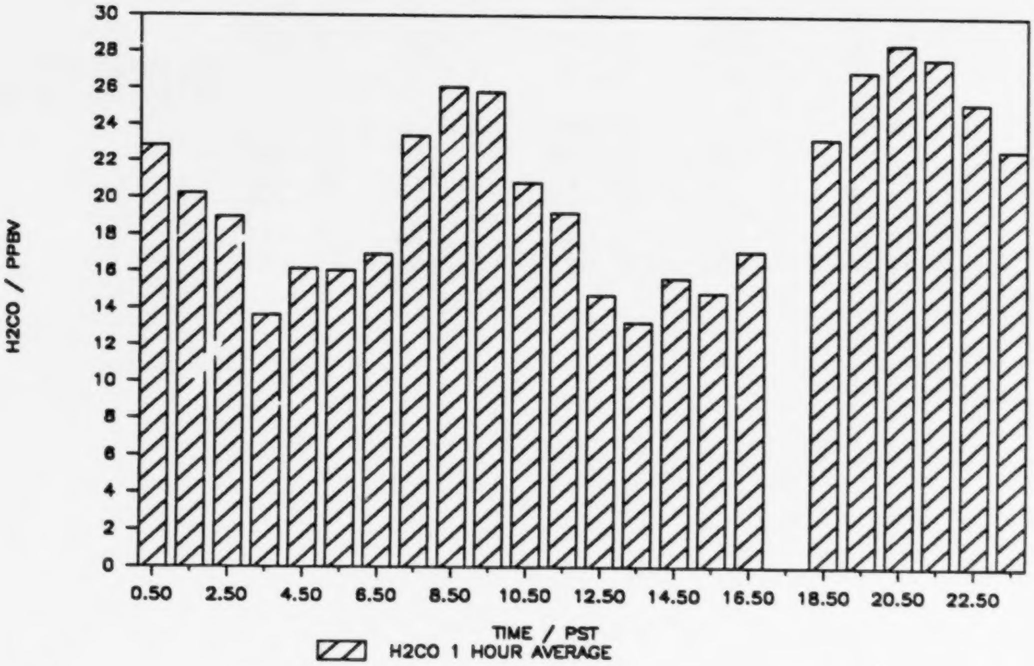
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H_2O_2, H_2CO
DATE: NOVEMBER 18, 1987
JULIAN DATE: 322

BLOCK TIME (PST)	H_2O_2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H_2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.197	0.054	0.643	8.392	
1.5	0.053	0.053	0.226	8.744	
2.5	0.163	0.055	0.568	7.522	
3.5	-0.008	0.076	-0.026	6.778	
4.5	-0.038	0.063	-0.139	7.251	
5.5	0.114	0.038	0.573	6.835	
6.5	-0.066	0.060	-0.246	6.704	
7.5	0.016	0.079	0.045	7.345	CALIBRATION
8.5					07:53 TO 09:03
9.5	0.101	0.043	0.474	14.054	
10.5	0.120	0.045	0.525	10.135	
11.5	0.361	0.084	0.703	8.270	
12.5	0.323	0.089	0.643	6.989	
13.5	0.110	0.080	0.303	5.909	
14.5	0.280	0.056	0.753	6.935	
15.5	0.364	0.054	0.839	7.409	
16.5	0.101	0.073	0.304	7.740	
17.5	0.059	0.056	0.236	13.487	
18.5	0.031	0.084	0.086	15.466	
19.5	0.304	0.043	0.850	11.637	
20.5	-0.028	0.074	-0.085	13.445	
21.5	0.152	0.059	0.510	11.534	
22.5	0.109	0.072	0.331	6.107	DATA
23.5					TO 22:36

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 1, 1987



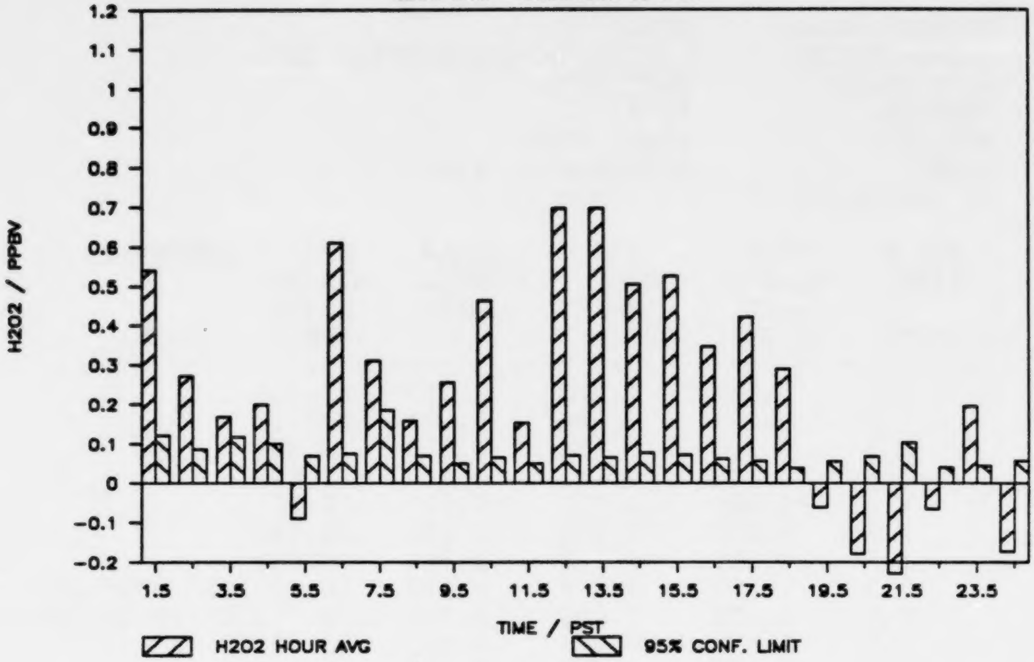


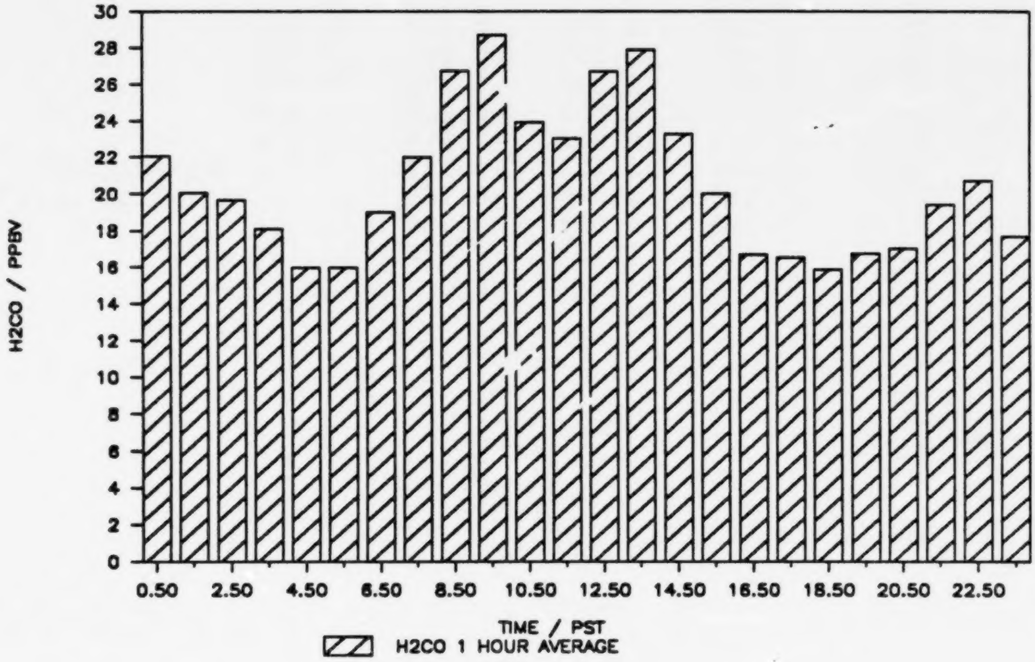
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H_2O_2, H_2CO
DATE: DECEMBER 1, 1987
JULIAN DATE: 335

BLOCK TIME (PST)	H_2O_2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H_2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.074	0.138	0.123	22.837	
1.5	0.123	0.088	0.306	20.246	
2.5	-0.019	0.129	-0.034	18.942	
3.5	0.008	0.097	0.020	13.603	
4.5	0.047	0.066	0.165	16.126	
5.5	0.380	0.072	0.771	16.039	
6.5	-0.117	0.071	-0.353	16.921	
7.5	0.138	0.119	0.260	23.377	
8.5	0.111	0.145	0.174	26.060	CALIBRATION
9.5	0.163	0.082	0.416	25.769	08:09 TO 08:39
10.5	0.530	0.098	0.779	20.854	
11.5	0.176	0.065	0.527	19.200	
12.5	0.307	0.049	0.824	14.743	
13.5	0.119	0.063	0.400	13.255	
14.5	0.142	0.054	0.518	15.645	
15.5	0.634	0.101	0.821	14.854	
16.5	0.258	0.120	0.446	17.113	CALIBRATION
17.5					16:49 TO 18:00
18.5	0.015	0.095	0.035	23.279	
19.5	0.135	0.166	0.184	26.920	
20.5	0.360	0.085	0.700	28.466	
21.5	0.052	0.116	0.104	27.679	
22.5	0.380	0.083	0.726	25.240	
23.5	0.094	0.083	0.253	22.683	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 2, 1987



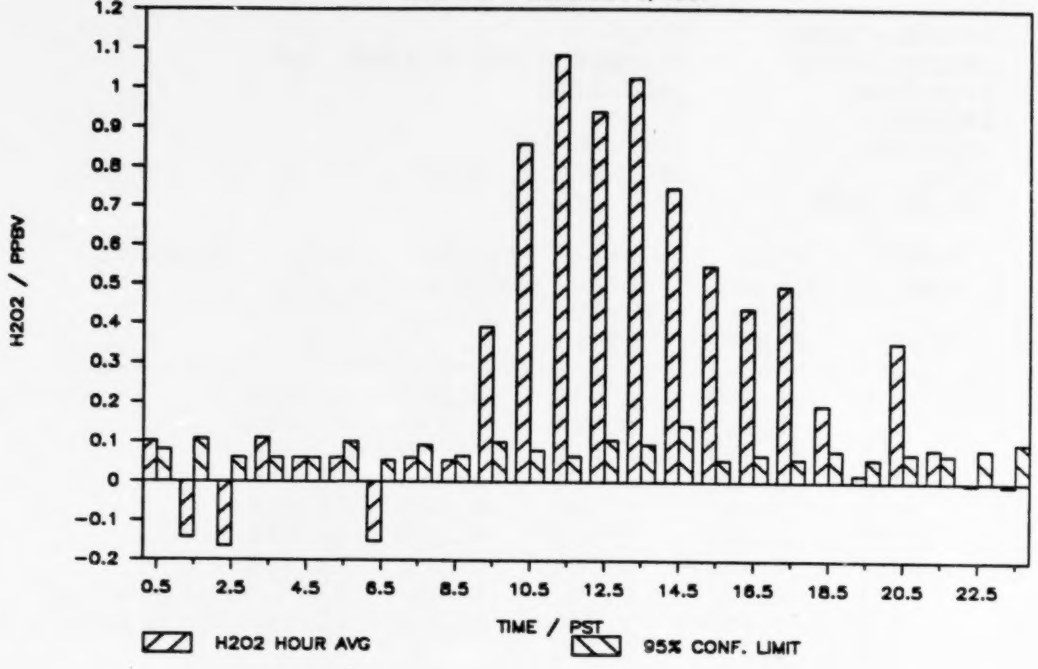


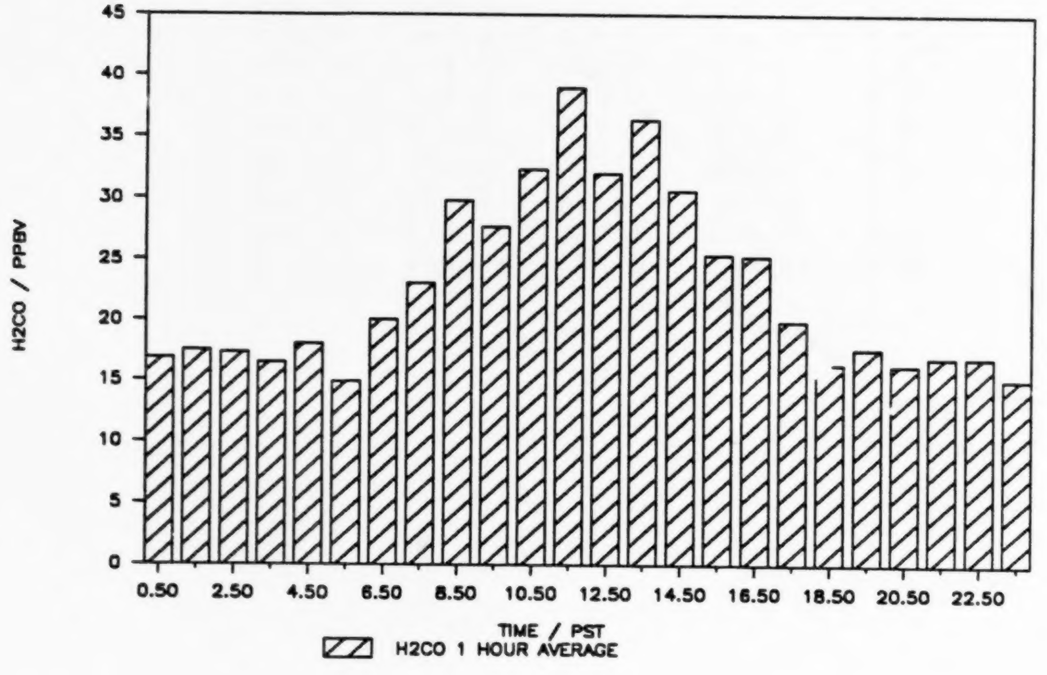
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 2, 1987
JULIAN DATE: 336

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.541	0.122	0.717	22.039	
1.5	0.271	0.086	0.592	20.050	
2.5	0.168	0.118	0.310	19.648	
3.5	0.199	0.101	0.418	18.078	
4.5	-0.089	0.070	-0.283	15.968	
5.5	0.610	0.075	0.883	15.963	
6.5	0.310	0.185	0.364	18.981	
7.5	0.159	0.070	0.469	21.979	CALIBRATION
8.5	0.255	0.050	0.764	26.713	07:38 TO 08:22
9.5	0.463	0.066	0.853	28.703	
10.5	0.153	0.049	0.588	23.916	
11.5	0.697	0.071	0.916	23.021	
12.5	0.696	0.065	0.927	26.682	
13.5	0.505	0.078	0.834	27.879	
14.5	0.526	0.073	0.859	23.282	
15.5	0.346	0.063	0.787	20.021	
16.5	0.420	0.057	0.864	16.668	
17.5	0.289	0.038	0.870	16.534	
18.5	-0.061	0.055	-0.231	15.877	
19.5	-0.178	0.068	-0.519	16.732	
20.5	-0.280	0.103	-0.534	17.019	CALIBRATION
21.5	-0.065	0.040	-0.355	19.410	20:53 TO 21:17
22.5	0.195	0.044	0.720	20.706	
23.5	-0.172	0.057	-0.572	17.704	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 3, 1987



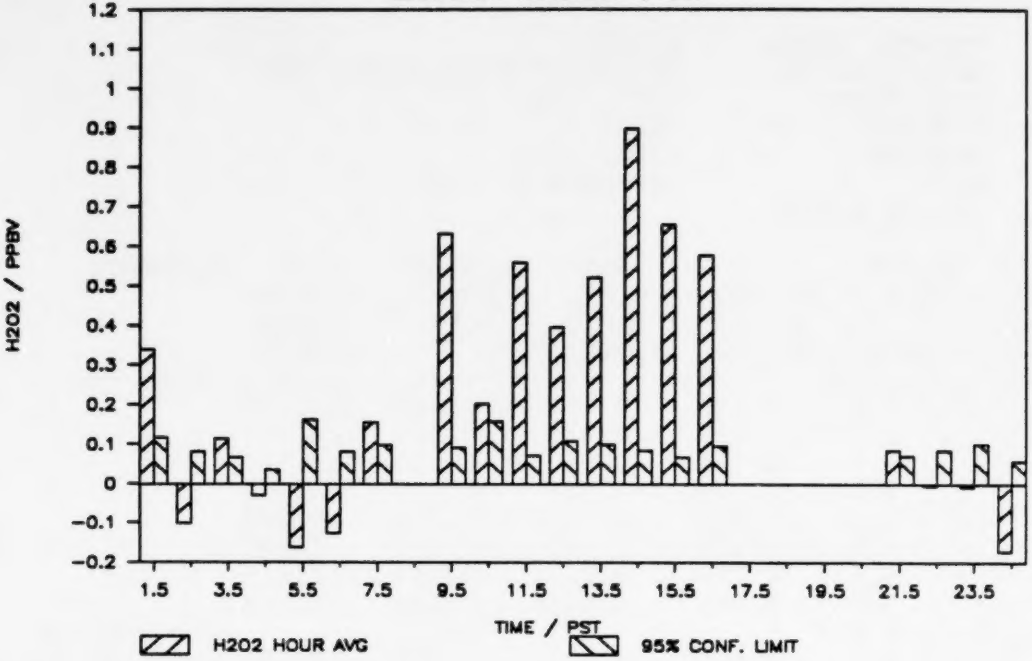


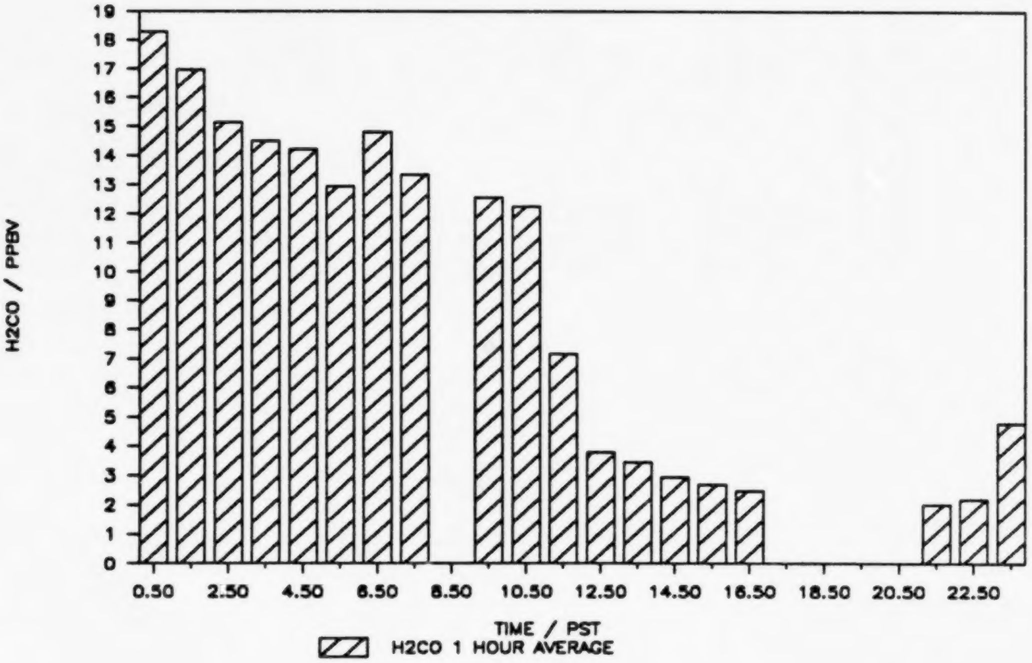
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: $H2O2$, $H2CO$
DATE: DECEMBER 3, 1987
JULIAN DATE: 337

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.102	0.081	0.256	16.836	
1.5	-0.142	0.108	-0.265	17.445	
2.5	-0.164	0.061	-0.488	17.280	
3.5	0.110	0.061	0.353	16.475	
4.5	0.060	0.060	-0.456	18.017	
5.5	0.060	0.101	0.123	14.888	
6.5	-0.151	0.054	-0.505	19.995	
7.5	0.061	0.092	0.138	23.020	
8.5	0.053	0.066	0.166	29.798	CALIBRATION
9.5	0.391	0.101	0.630	27.657	07:02 TO 07:27
10.5	0.858	0.079	0.916	32.367	
11.5	1.081	0.065	0.961	38.973	
12.5	0.939	0.106	0.881	32.035	
13.5	1.023	0.095	0.913	36.367	
14.5	0.746	0.142	0.740	30.607	
15.5	0.546	0.056	0.899	25.417	
16.5	0.438	0.068	0.804	25.245	
17.5	0.494	0.059	0.869	19.864	
18.5	0.193	0.079	0.455	16.321	
19.5	0.019	0.058	0.068	17.595	
20.5	0.353	0.073	0.710	16.220	
21.5	0.084	0.070	0.244	16.884	
22.5	-0.005	0.083	-0.013	16.893	
23.5	-0.007	0.099	-0.014	15.089	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 4, 1987



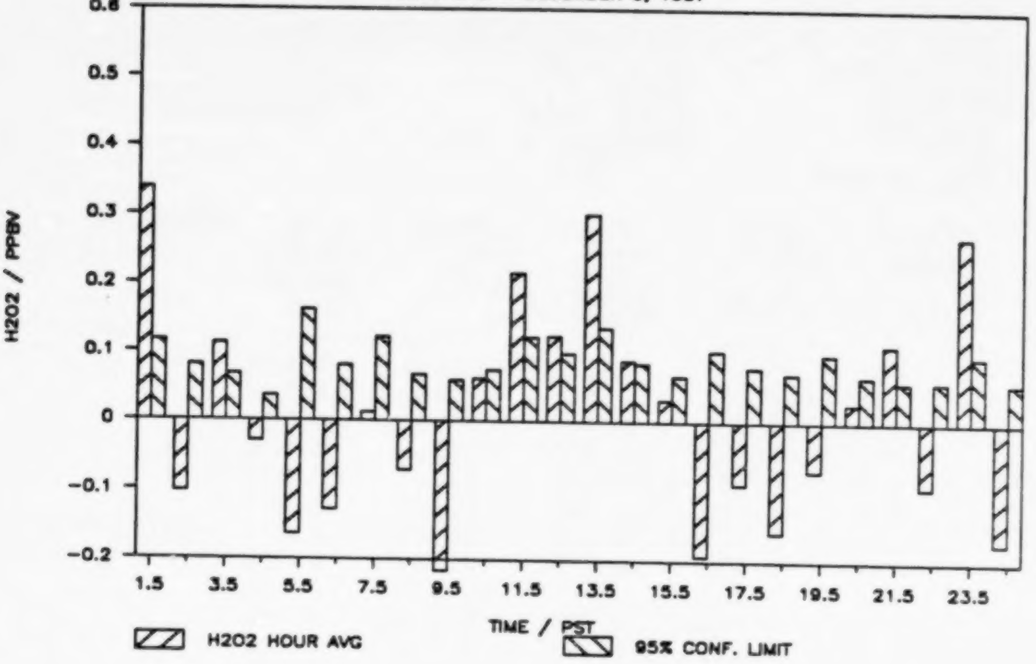


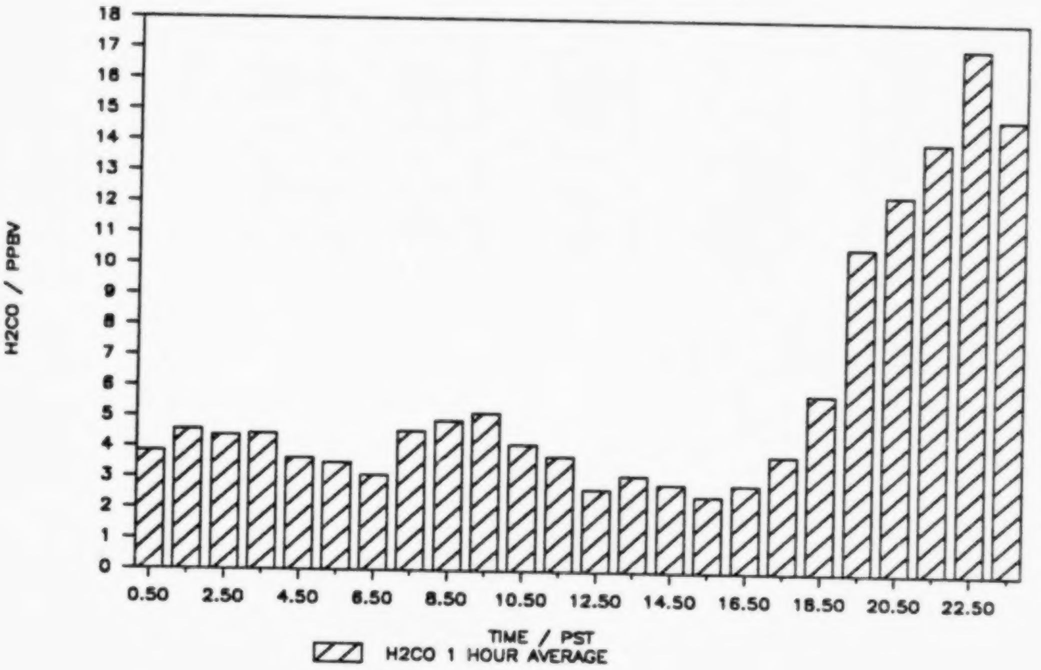
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 4, 1987
JULIAN DATE: 338

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.339	0.117	0.557	18.295	
1.5	-0.102	0.081	-0.280	16.968	
2.5	0.113	0.067	0.363	15.150	
3.5	-0.029	0.036	-0.182	14.512	
4.5	-0.163	0.162	-0.228	14.232	
5.5	-0.128	0.081	-0.335	12.945	
6.5	0.155	0.097	0.347	14.815	
7.5	0.053	0.066	0.166	13.368	
8.5					CALIBRATION
9.5	0.201	0.157	0.285	12.561	08:08 TO 09:09
10.5	0.559	0.071	0.878	12.262	
11.5	0.396	0.108	0.650	7.170	
12.5	0.521	0.099	0.773	3.784	
13.5	0.899	0.083	0.929	3.444	
14.5	0.656	0.067	0.915	2.951	
15.5	0.578	0.095	0.817	2.691	
16.5	0.494	0.059	0.869	2.478	
17.5					HEAVY RAIN.
18.5					WATER IN
19.5					WHITE CELL.
20.5					
21.5	-0.005	0.083	-0.013	2.026	
22.5	-0.007	0.099	-0.014	2.203	
23.5	-0.172	0.057	-0.572	4.779	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 5, 1987



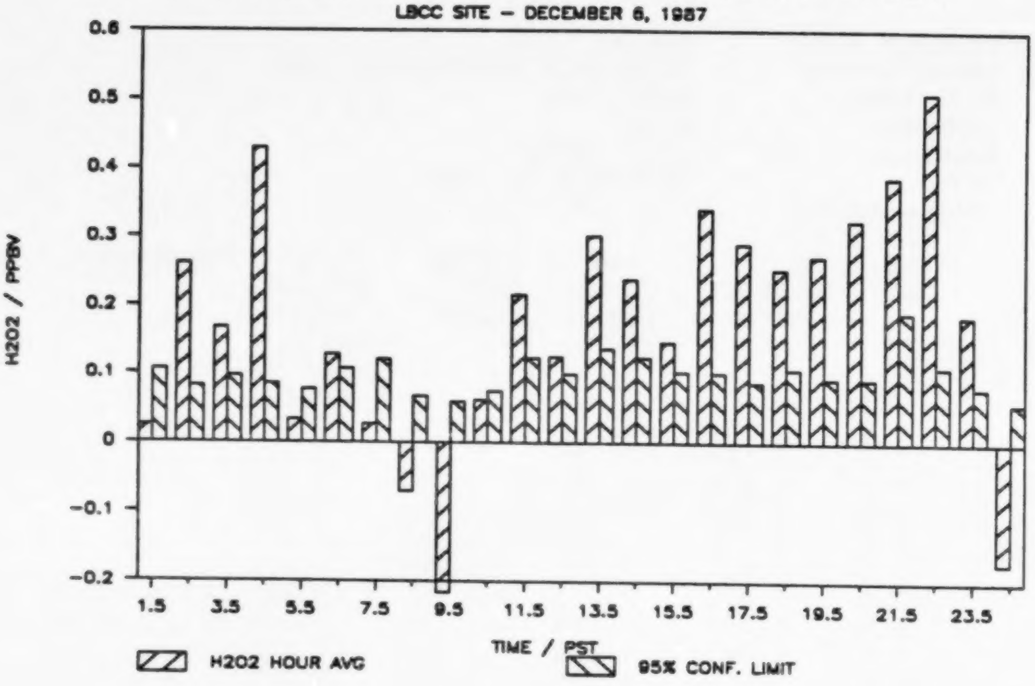


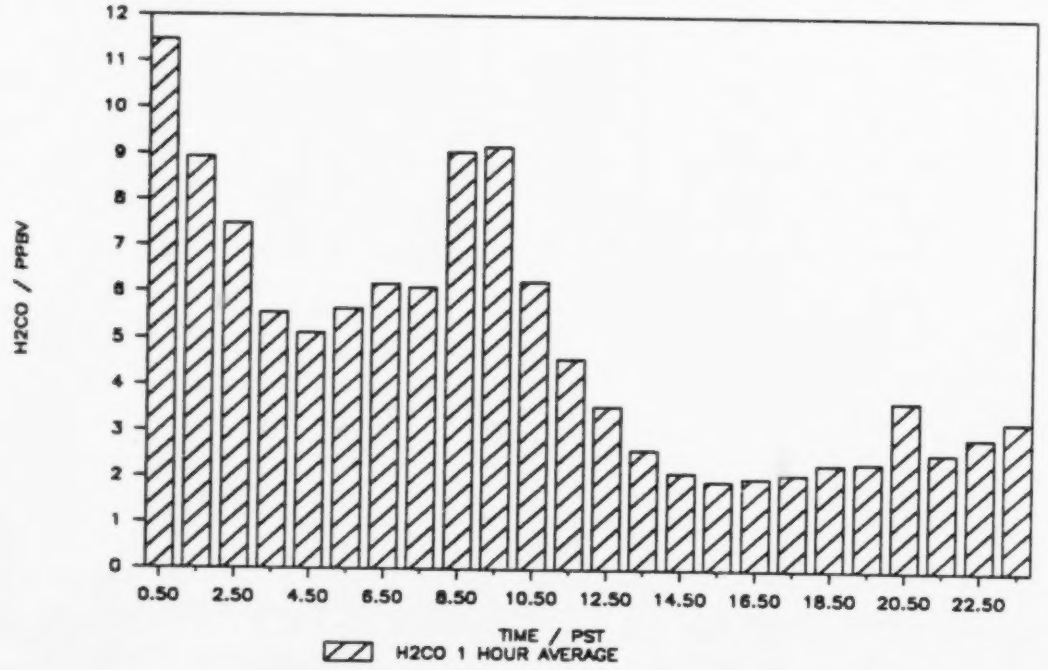
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 5, 1987
JULIAN DATE: 339

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.339	0.117	0.557	3.857	
1.5	-0.102	0.081	-0.280	4.566	
2.5	0.113	0.067	0.363	4.386	
3.5	-0.029	0.036	-0.182	4.436	
4.5	-0.163	0.162	-0.228	3.627	
5.5	-0.128	0.081	-0.335	3.489	
6.5	0.012	0.122	0.022	3.090	CALIBRATION
7.5	-0.070	0.067	-0.221	4.539	06:45 TO 07:10
8.5	-0.233	0.059	-0.634	4.899	
9.5	0.061	0.074	0.176	5.162	
10.5	0.216	0.123	0.358	4.121	
11.5	0.125	0.100	0.263	3.754	
12.5	0.302	0.137	0.433	2.685	
13.5	0.089	0.085	0.223	3.127	
14.5	0.032	0.066	0.104	2.861	
15.5	-0.193	0.104	-0.376	2.473	
16.5	-0.089	0.079	-0.239	2.862	
17.5	-0.158	0.070	0.420	3.822	
18.5	-0.069	0.099	-0.149	5.834	
19.5	0.027	0.066	0.087	10.636	
20.5	0.113	0.058	0.392	12.372	
21.5	-0.093	0.059	-0.323	14.078	
22.5	0.271	0.097	0.520	17.142	
23.5	-0.172	0.057	-0.572	14.870	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 6, 1987



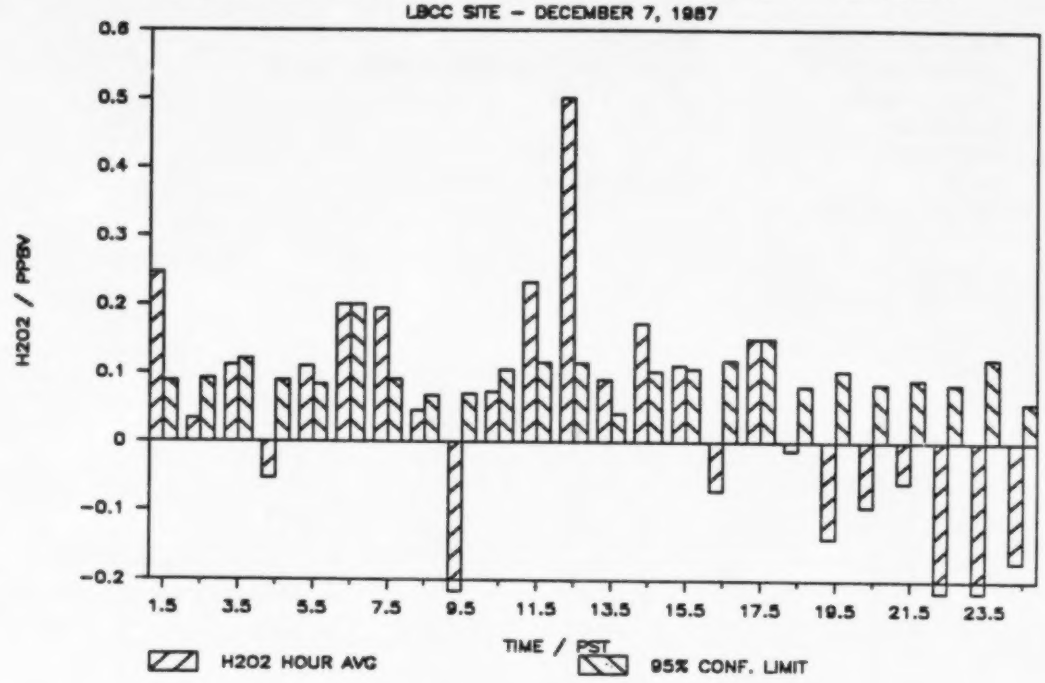


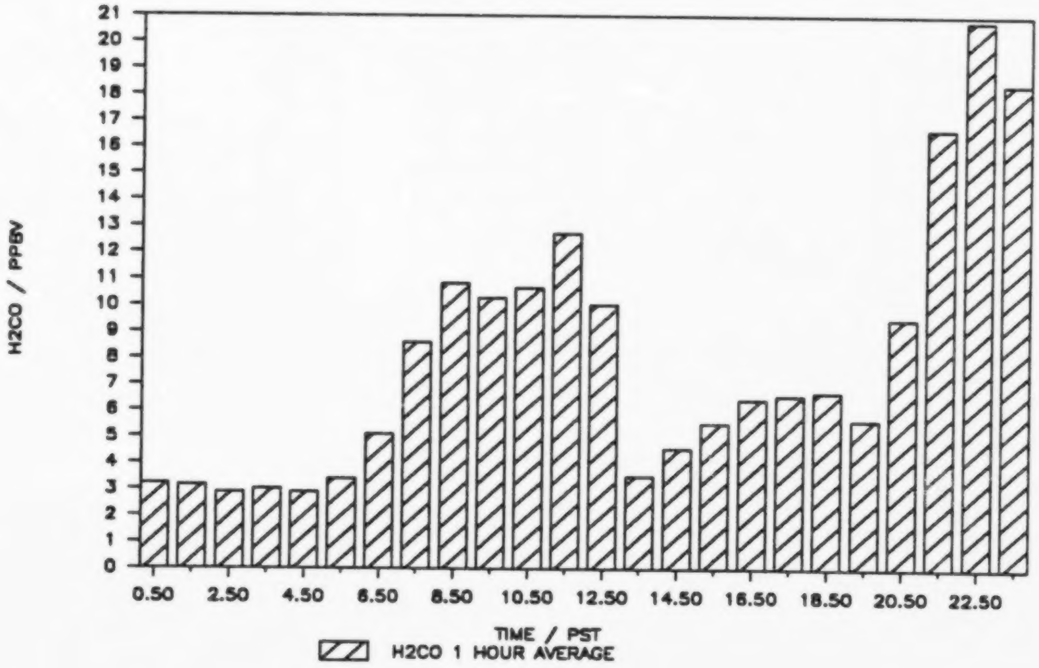
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 6, 1987
JULIAN DATE: 340

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.025	0.106	0.051	11.464	
1.5	0.261	0.082	0.571	8.932	
2.5	0.167	0.096	0.356	7.483	
3.5	0.429	0.085	0.739	5.549	
4.5	0.033	0.077	0.093	5.107	
5.5	0.128	0.107	0.253	5.621	
6.5	0.027	0.121	0.048	6.166	
7.5	-0.070	0.067	-0.221	6.091	CALIBRATION
8.5	-0.233	0.059	-0.634	9.048	07:51 TO 08:30
9.5	0.061	0.074	0.176	9.155	
10.5	0.216	0.123	0.358	6.225	
11.5	0.125	0.100	0.263	4.577	
12.5	0.302	0.137	0.433	3.553	
13.5	0.238	0.124	0.388	2.612	
14.5	0.146	0.103	0.296	2.106	
15.5	0.341	0.101	0.593	1.925	
16.5	0.291	0.087	0.591	1.994	
17.5	0.253	0.107	0.459	2.084	
18.5	0.272	0.093	0.536	2.315	
19.5	0.325	0.092	0.612	2.351	
20.5	0.387	0.190	0.473	3.690	
21.5	0.510	0.110	0.711	2.566	
22.5	0.185	0.080	0.450	2.907	
23.5	-0.172	0.057	-0.572	3.263	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 7, 1987



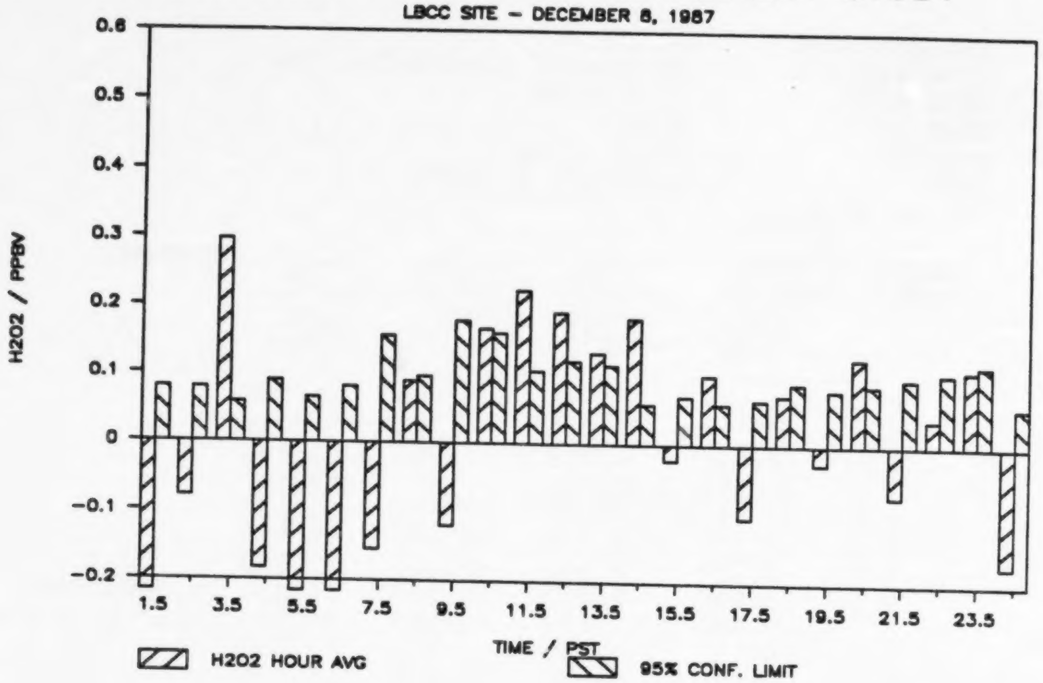


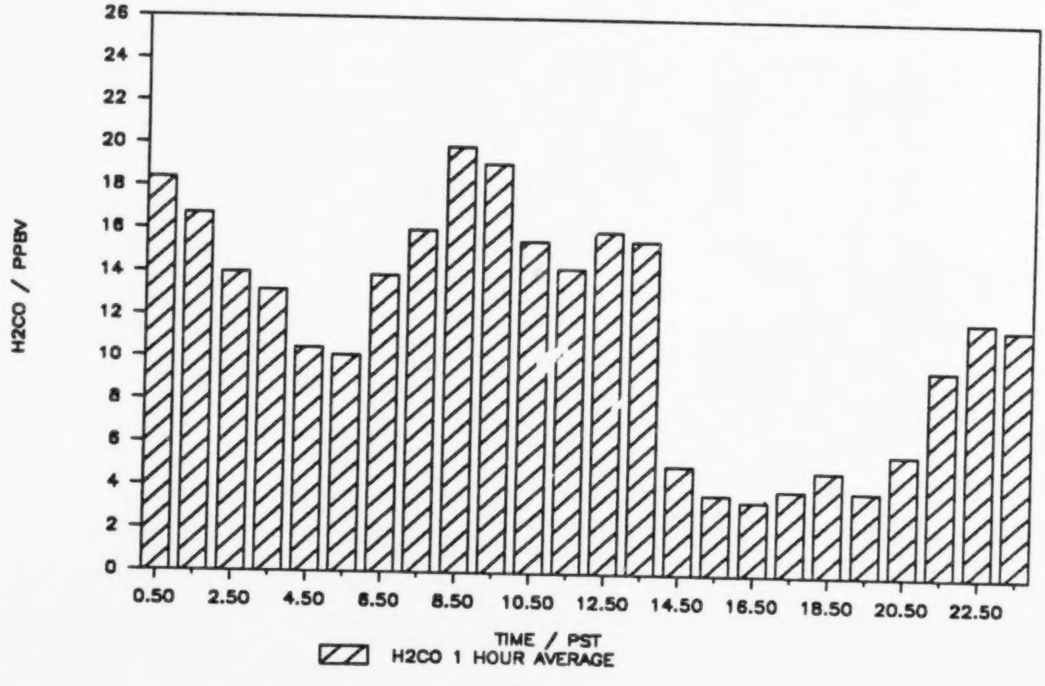
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 7, 1987
JULIAN DATE: 341

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.247	0.088	0.520	3.238	
1.5	0.033	0.092	0.077	3.160	
2.5	0.112	0.121	0.199	2.877	
3.5	-0.053	0.089	-0.129	3.025	
4.5	0.110	0.083	0.277	2.885	
5.5	0.200	0.200	0.253	3.399	
6.5	0.194	0.091	0.422	5.090	CALIBRATION
7.5	0.045	0.067	0.147	8.592	06:19 TO 06:45
8.5	-0.214	0.069	0.558	10.813	
9.5	0.073	0.105	0.150	10.269	
10.5	0.233	0.116	0.387	10.666	
11.5	0.502	0.115	0.691	12.719	
12.5	0.091	0.041	0.439	10.024	
13.5	0.173	0.103	0.346	3.492	
14.5	0.112	0.107	0.274	4.570	
15.5	-0.071	0.119	-0.130	5.509	
16.5	0.150	0.150	0.591	6.412	
17.5	-0.012	0.081	-0.032	6.580	
18.5	-0.130	0.104	-0.280	6.710	
19.5	-0.094	0.084	-0.237	5.634	
20.5	-0.059	0.091	-0.139	9.498	
21.5	-0.236	0.084	-0.523	16.693	
22.5	-0.201	0.122	-0.338	20.802	
23.5	-0.172	0.057	-0.572	18.409	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 8, 1987



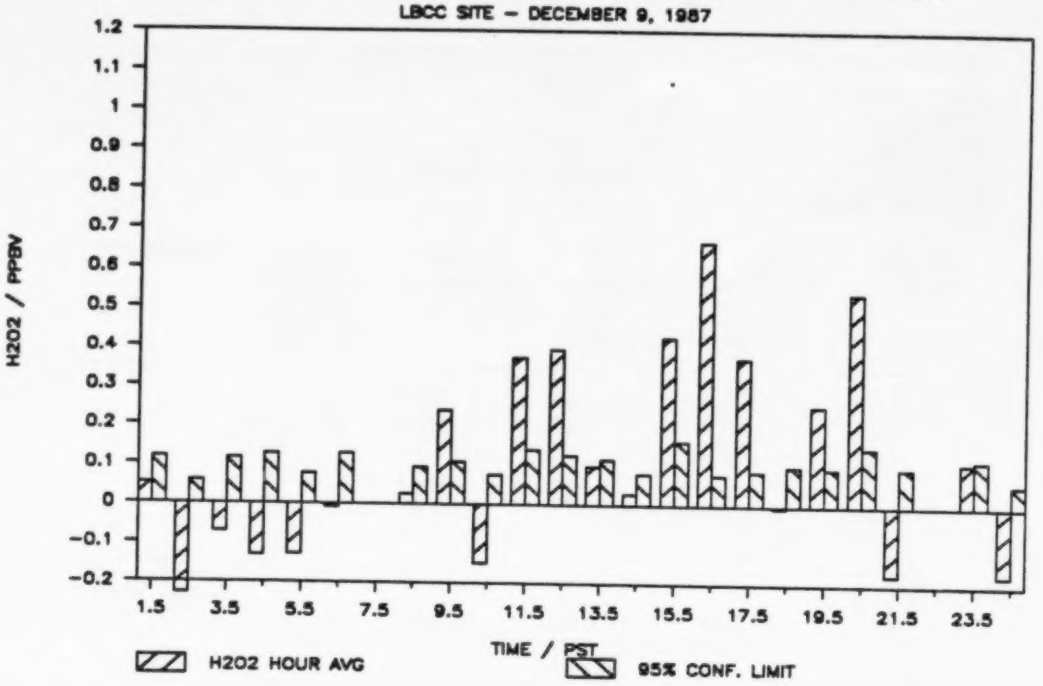


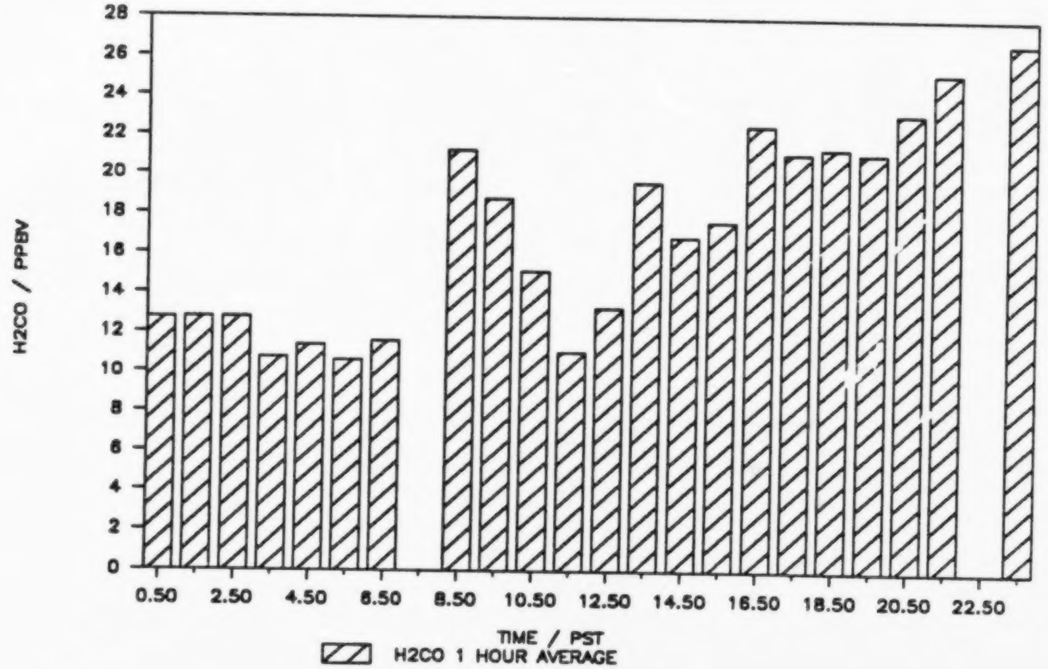
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 8, 1987
JULIAN DATE: 342

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.261	0.080	-0.588	18.374	
1.5	-0.078	0.079	-0.216	16.704	
2.5	0.297	0.058	0.750	13.996	
3.5	-0.183	0.090	-0.411	13.158	
4.5	-0.251	0.065	-0.654	10.464	
5.5	-0.574	0.082	-0.842	10.125	
6.5	-0.154	0.156	-0.215	13.903	
7.5	0.090	0.097	0.203	16.006	CALIBRATION
8.5	-0.120	0.179	-0.149	19.925	07:40 TO 08:26
9.5	0.167	0.161	0.226	19.131	
10.5	0.224	0.106	0.427	15.529	
11.5	0.192	0.121	0.310	14.267	
12.5	0.133	0.115	0.250	16.008	
13.5	0.184	0.059	0.572	15.596	
14.5	-0.023	0.070	-0.072	5.058	
15.5	0.101	0.060	0.351	3.739	
16.5	-0.105	0.065	-0.339	3.437	
17.5	0.073	0.090	0.179	3.959	
18.5	-0.027	0.081	-0.075	4.848	
19.5	0.127	0.088	0.305	3.935	
20.5	-0.073	0.098	-0.164	5.679	
21.5	0.039	0.106	0.082	9.664	
22.5	0.111	0.118	0.207	11.974	
23.5	-0.172	0.057	-0.572	11.649	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 9, 1987



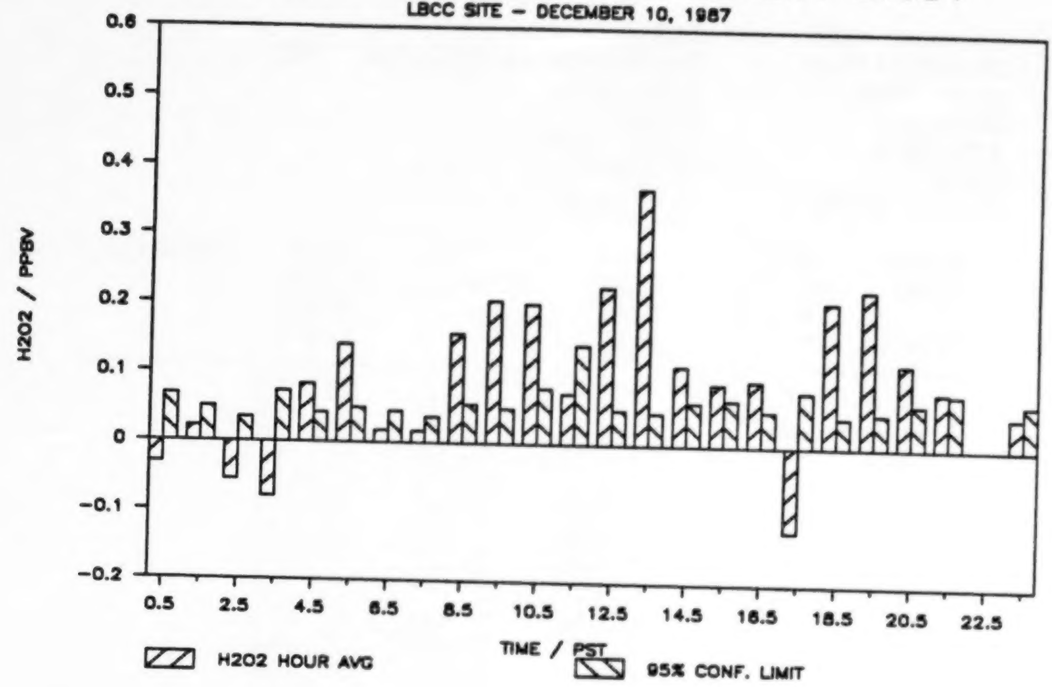


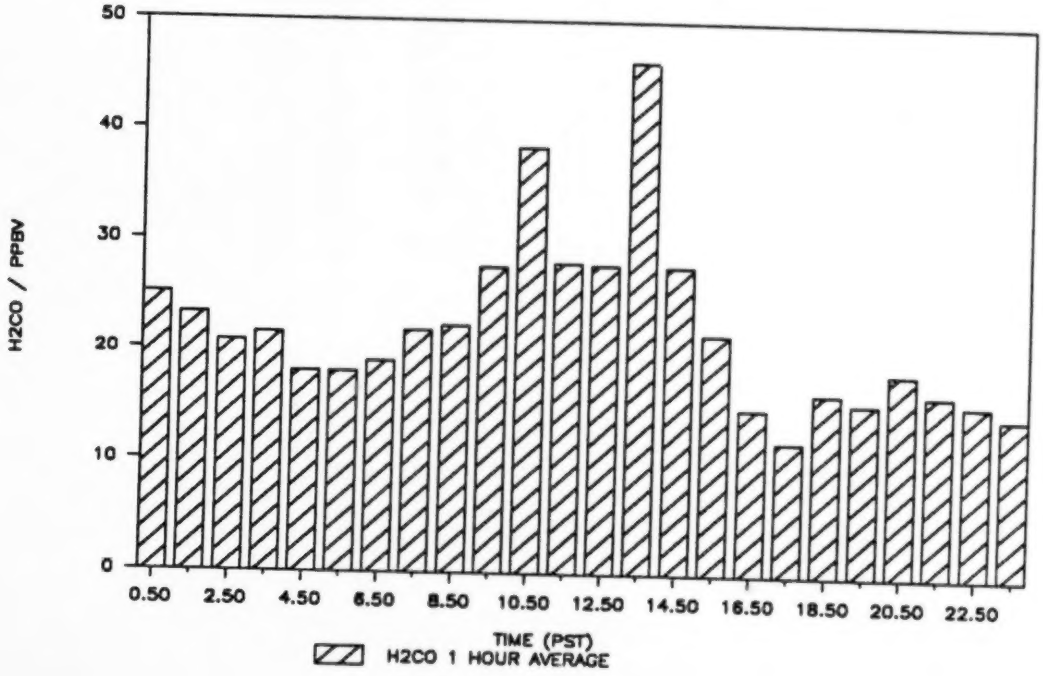
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 9, 1987
JULIAN DATE: 343

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.051	0.118	0.094	12.734	
1.5	-0.555	0.058	-0.903	12.776	
2.5	-0.070	0.114	-0.134	12.758	
3.5	-0.131	0.126	-0.224	10.752	
4.5	-0.128	0.077	-0.345	11.369	
5.5	-0.008	0.127	-0.104	10.620	
6.5	-0.154	0.156	-0.215	11.556	
7.5					CALIBRATION
8.5	0.238	0.107	0.441	21.217	7:07 TO 8:02
9.5	-0.149	0.075	-0.403	18.773	
10.5	0.373	0.138	0.516	15.156	
11.5	0.395	0.125	0.575	11.039	
12.5	0.098	0.115	0.186	13.279	
13.5	0.028	0.079	0.079	19.619	
14.5	0.426	0.161	0.507	16.866	
15.5	0.668	0.076	0.892	17.657	
16.5	0.373	0.086	0.697	22.530	
17.5	-0.004	0.099	-0.010	21.111	
18.5	0.252	0.095	0.509	21.382	
19.5	0.539	0.148	0.631	21.133	
20.5	-0.173	0.096	-0.372	23.151	
21.5	0.039	0.106	0.082	25.231	CALIBRATION
22.5					22:00 TO 23:48
23.5	-0.172	0.057	-0.572	26.757	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 10, 1987



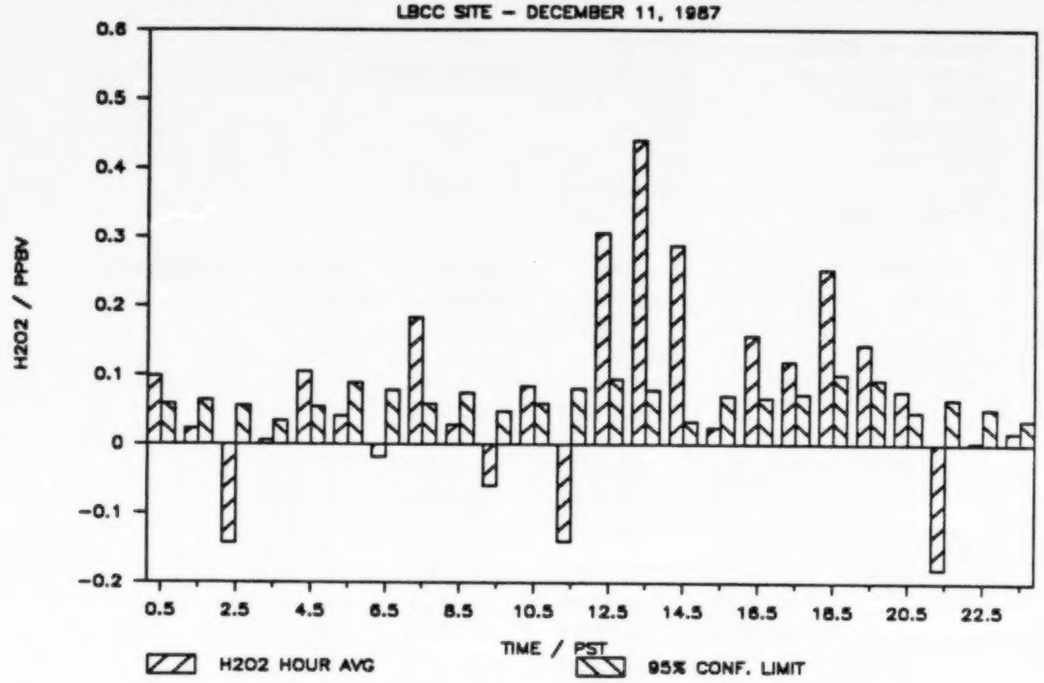


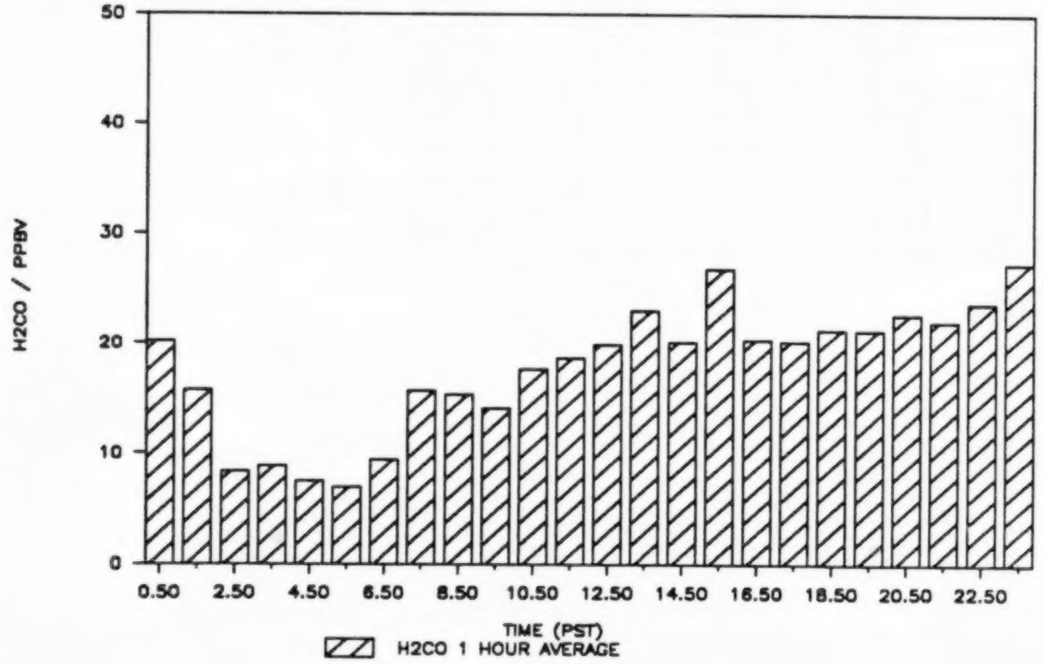
PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 10, 1987
JULIAN DATE: 344

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	-0.031	0.068	-0.103	25.053	
1.5	0.022	0.050	0.100	23.245	
2.5	-0.055	0.035	-0.338	20.767	
3.5	-0.079	0.073	-0.241	21.531	
4.5	0.083	0.043	0.408	18.075	
5.5	0.141	0.050	0.540	17.973	
6.5	0.018	0.045	0.091	18.952	
7.5	0.017	0.037	0.105	21.767	
8.5	0.157	0.056	0.536	22.217	
9.5	0.206	0.050	0.684	27.584	
10.5	0.202	0.080	0.499	38.488	
11.5	0.073	0.142	0.117	27.997	
12.5	0.227	0.050	0.718	27.832	
13.5	0.370	0.047	0.873	46.289	
14.5	0.114	0.062	0.388	27.751	
15.5	0.089	0.066	0.294	21.590	
16.5	0.094	0.051	0.391	14.922	
17.5	-0.122	0.079	-0.334	11.960	
18.5	0.209	0.044	0.737	16.379	
19.5	0.227	0.049	0.728	15.517	
20.5	0.121	0.063	0.400	18.229	
21.5	0.081	0.078	0.230	16.383	CALIBRATION
22.5				15.531	21:42 TO 22:38
23.5	0.047	0.065	0.162	14.390	

SOUTHERN CALIFORNIA AIR QUALITY STUDY

LBCC SITE – DECEMBER 11, 1987





PROGRAM NAME: SCAQS
ORGANIZATION UNISEARCH ASSOCIATES, INC.
SITE NAME: LBCC SITE
SAMPLER: TDLAS
SPECIES: H2O2, H2CO
DATE: DECEMBER 11, 1987
JULIAN DATE: 345

BLOCK TIME (PST)	H2O2 MIXING RATIO (PPBV)	95% CONF. LIMIT (PPBV)	LINEAR CORREL. COEF.	H2CO MIXING RATIO (PPBV)	COMMENTS
0.5	0.099	0.058	0.365	20.143	
1.5	0.023	0.064	0.083	15.710	
2.5	-0.142	0.056	-0.502	8.341	
3.5	0.006	0.034	0.043	8.854	
4.5	0.105	0.054	0.410	7.479	
5.5	0.041	0.089	0.105	6.914	
6.5	-0.019	0.078	-0.056	9.399	
7.5	0.183	0.058	0.584	15.686	
8.5	0.028	0.074	0.086	15.312	
9.5	-0.060	0.048	-0.277	14.019	
10.5	0.084	0.059	0.308	17.626	
11.5	-0.140	0.081	-0.368	18.640	
12.5	0.306	0.095	0.592	19.861	
13.5	0.440	0.078	0.791	22.984	
14.5	0.288	0.033	0.895	20.104	
15.5	0.024	0.070	0.077	26.762	
16.5	0.157	0.067	0.471	20.337	
17.5	0.120	0.073	0.352	20.179	
18.5	0.253	0.101	0.497	21.240	
19.5	0.144	0.093	0.334	21.188	
20.5	0.077	0.047	0.353	22.635	
21.5	-0.180	0.065	-0.536	22.007	
22.5	0.003	0.052	0.013	23.653	
23.5	0.018	0.036	0.116	27.288	